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DATAMATION

FOR CORPORATE COMPUTING PROFESSIONALS WORLDWIDE

DECEMBER 15, 1991

LAN Man: Is There Life After OS/2?

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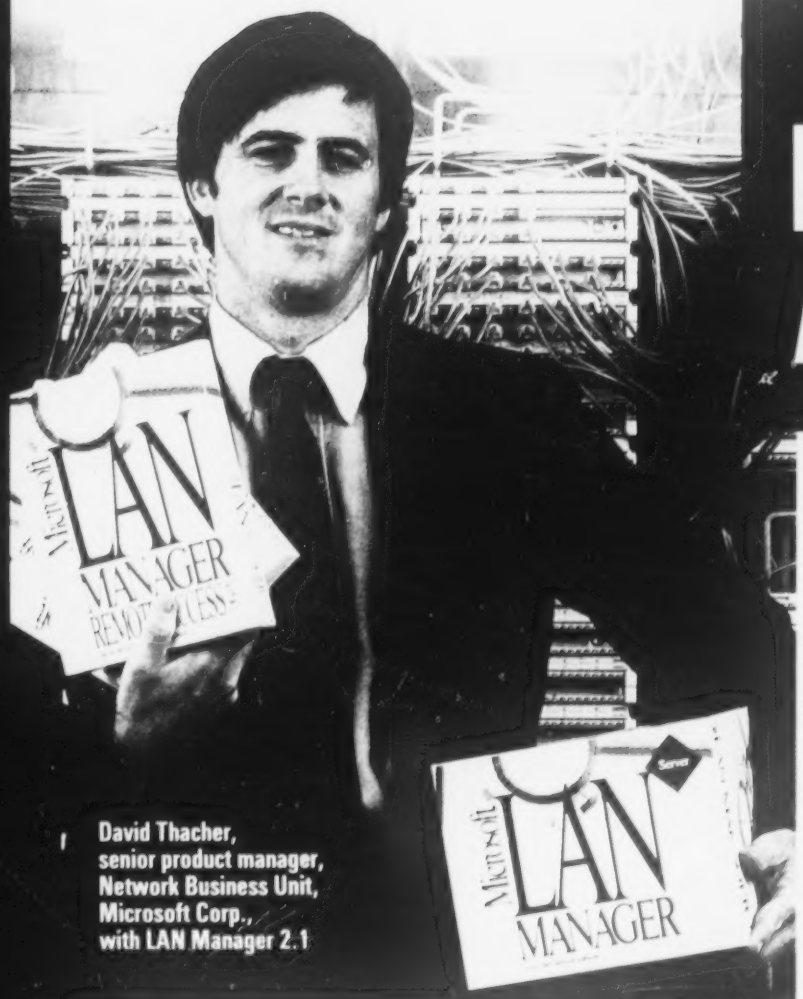

David Thacher, senior product manager, Network Business Unit, Microsoft Corp., with LAN Manager 2.1

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DECEMBER 15, 1991

DATAMATION

VOLUME 37
NUMBER 25

FOR CORPORATE COMPUTING PROFESSIONALS WORLDWIDE

The tangled web of network operating systems has left the future of LAN Manager in doubt.

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BY TOM McCUSKER

Microsoft has added solid features to LAN Manager 2.1, but its latest network operating system is eclipsed by talk of Windows NT and the goal of a common server and client environment.

Cover photography by Blair Drake

EXCLUSIVE

The 1992 International User Group Directory 65

BY SUSAN MAEL

Our fourth directory holds more than 200 user group entries, up from 180 the previous year. They are listed alphabetically by user group, with a cross-reference index at the end.

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BY SARA H. LINDSEY

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Epson's Weisman enjoys low weight and battery operation with the NB-SL notebook.

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Harley-Davidson's Kolbe thought he'd "let it rip" along the mainframe route, but found the AS/400's lower price and greater flexibility really revved his engines, page 39.

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Microsoft has added solid features to LAN Manager 2.1, but its latest network operating system is eclipsed by talk of Windows NT and the goal of a common server and client environment.

BY TOM McCUSKER

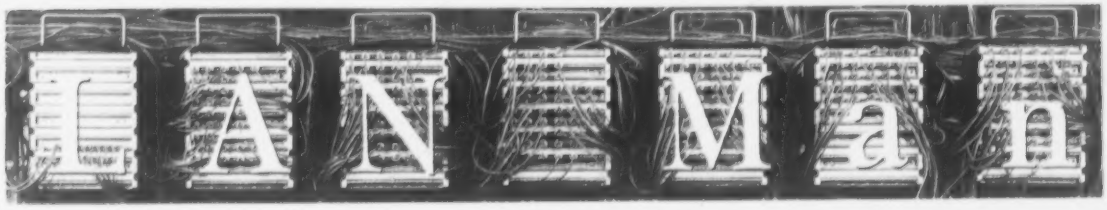
If you are running Microsoft LAN Manager, or a private label variant like IBM's LAN Server, are you at a dead end?

The question has come up because, for the first time since MS-DOS swept into dominance 10 years ago, the future of PC operating systems is unclear. IBM has chosen the 32-bit OS/2 2.0 route for the near term, with the Apple-Pink project to follow. Microsoft Corp. is going its own 32-bit way with Windows NT. Where does this leave the users of LAN Manager, designed to run on the 16-bit OS/2 1.31, when the new operating systems come into the market over the next one to three years?

In many users' minds, LAN Manager, OS/2 and SQL Server formed a three-legged stool of network, operating system and database software on which to build client/server network applications that would go beyond what Novell Inc.'s NetWare has to offer. But the well-publicized divergence of Microsoft and IBM over OS/2, and Novell's stronger technical and corporate links to OS/2, have now called into question the place of LAN Manager in corporate networks.

The question is especially timely in view of the release of LAN Man 2.1 this month, which Microsoft says fills many of the gaps in version 2.0. At the same time, Microsoft has clearly indicated its intention to chart a new course in desktop operating systems, away from OS/2, with its own successor to DOS, Windows NT (for New Technology), which is essentially Windows's user and application programming interfaces grafted onto a new 32-bit core operating system. Company executives discussed with DATAMATION the likely impact of NT on LAN Manager users and on networking in general.

"We see a great opportunity [with NT] of tying the



Is There Life After OS/2?

MICROSOFT'S THACHER: The major server applications will be available for Windows NT.

desktop to the server much closer than it ever has been before," says Mike Murray, who heads Microsoft's network business unit. He foresees that "thousands" of new Windows applications will be written over the next two years as Windows continues to achieve stature as the de facto standard desktop operating environment.

Small Steps For LAN Man

But there is concern among some LAN Manager users that NT puts the LAN Manager product on unsure footing. Windows NT is expected to usurp many network functions that are now offered as LAN Manager. One potential scenario, in fact, leaves LAN Manager as just that: a utility for network management, with the real network contained, instead, inside Windows NT. So far, Microsoft has not made that kind of definitive decision, but there is no question that some of LAN Man's current functions will be removed and placed within the base NT operating system. Does this trend signal the death of LAN Manager as a discrete network operating environment? Here's what Microsoft executives say:

- At least through 1993, LAN Manager servers will run on top of OS/2, as well as on the UNIX operating system, Digital Equipment Corp.'s VMS and Windows NT. That's the promise by Paul Maritz, vice president of advanced operating systems.
- For users who are committed to OS/2, Microsoft will ship an OS/2 2.0 client for LAN Man when that becomes practical (IBM has indicated its OS/2 2.0 will ship in the first quarter 1992). As for an OS/2 server version of LAN Man, David Thacher, senior product manager with Microsoft's Network Business Unit, says: "We plan to keeping moving the LAN Manager product on OS/2, and that definitely does include moving it to OS/2 2.0 as soon as OS/2 2.0 becomes a viable server platform. So, a), it's [OS/2 2.0] got to ship and b), we've got to make sure it's bug-free as the current 1.3 version. We also have to do the work that we've done with 1.3 to make sure it [LAN Man] supports hundreds of server platforms."

Making The Move

Microsoft executives point out that existing LAN Man customers don't have to migrate to Windows NT if they like the OS/2-based version. But those who opt to move should find the going relatively easy, they say.

Large outside software vendors will port their server applications to NT, as will Microsoft with its SQL Server and Communications Server, its alternatives to IBM's OS/2 Database Manager and Communications Manager, respectively. "The major server applications will be available for Windows NT," declares Thacher.

Microsoft will offer corporate customers what are called "OS/2 API subsystems" for Windows NT. These are small subsystems that will enable OS/2-based server applications to run on Windows NT with little or no change. Thacher says Microsoft actually has an OS/2 version of SQL Server today running on an OS/2 subsystem for NT in a laboratory environment in Redmond, Wash.

At present, there are only 16-bit APIs for OS/2. Microsoft's 32-bit APIs for NT will be released when NT is, Thacher says.

Microsoft believes these issues primarily affect server applications. "Applications that are workstation- or client-based do not need to be migrated from OS/2 to Windows NT.

Scott Swanson, a senior systems engineer with MicroAge of Exton, a reseller and integrator of network operating systems in Exton, Pa., and a franchise of MicroAge Computer Centers Inc. of Tempe, Ariz., says he's advising clients not to be concerned about migrating LAN Manager to an NT platform on the server. "I wouldn't find that to be much of a concern because there's not going to be too many hardware requirement changes as well as software changes," says Swanson. The important thing is being able to log into the server from your OS/2, DOS and Windows workstations, he adds.

There are LAN Man users who can hardly wait for LAN Man over Windows NT. Tom Bernhardt, applications network consultant with Star Enterprise, an $8 billion Houston oil refiner and marketer with a 15-server, 600-node LAN Man network, thinks LAN Man will get a lot better when it's on the NT Windows platform. "Not that what we have now is bad. It's clear, though, to see how things can get an awful lot better. I'm actually excited about that NT change," says Bernhardt. Other users were less than overjoyed, feeling that they had been led down a dead end by Microsoft's initial advocacy of OS/2.

Ultimately, performance may tell the tale. Because Windows NT will provide the same environment at both the server and client level, Thacher envisions increased productivity by software developers: what is written for the network could also run on either the desktop or the server. That will help the training process since customers won't have to learn multiple user interfaces.

Whether Microsoft can gain acceptance of NT and fulfill Thacher's vision remains to be seen. In the meantime, LAN Man version 2.1 fills out the gaps in LAN Man 2.0, says Murray.

DATAMATION

IN FOCUS

LAN Manager 2.1

Microsoft Corp.
Redmond, Wash.
Price: 10 user version on a single server: $1,995 (includes OS/2 version 1.31, core code, NetWare interoperability, integration with Windows 3.1, TCP/IP and support for SNMP and NetView agents). Additional 10 users per server: $995. Unlimited Users: $5,495
Circle No. 200 on Reader Card

Value-Added Packages

LAN Remote Access Service: $1,995 (per server); MS Services for Macintosh: $995 (per server); Toolkit for Visual Basic: $135;
TCP/IP utilities for LAN Man (workstation-based terminal emulation and file transfer utilities): $195 (per workstation); 3Com interoperability toolkit: $149 (per server)

System Requirements

- **Servers:** PC with 80286 or later microprocessor; 5MB of memory, but additional memory will enhance performance; VGA, EGA or compatible adapter and monitor.
- **Clients:** Can be either MS-DOS (or PC-DOS), Windows 3.0 or OS/2 (version 1.21 or later). Memory requirements are basically what the specific operating environment needs.

Source: DATAMATION, company reports

December 15, 1991

DATAMATION

IN FOCUS

LAN Manager 2.1

Key Benefits For IS

- LAN Manager networks can now accommodate Macintosh and UNIX clients.
- LAN Manager clients can now also be NetWare clients.
- Remote sites can be more readily tied into LAN Manager networks.

Source: DATAMATION, company reports

December 15, 1991

Its new features will provide interoperability between LAN Man and both NetWare and AppleTalk servers. The new version will provide the Transmission Control Protocol/Internet Protocol (TCP/IP) common transport. It will also provide users with the ability to dial up the network from remote locations and use LAN Man services as if the users were on the network.

Microsoft, which a year ago said it expected to spend nearly $5 million in outside software to make the improvements for version 2.1, actually spent far less. That's thanks to the Demand Protocol Architecture (DPA) technology it got from 3Com Corp., which was the major original equipment manufacturer (OEM) for LAN Man until it abandoned software development in 1990. DPA is the basis for the NetWare and AppleTalk interoperability.

Microsoft acquired the TCP/IP service from Hewlett-Packard Co. and developed the remote dial-up service in house. The remote access feature can accommodate small branch offices or laptop users. Unlike many of the remote control software products on the market, Microsoft's implementation makes remote connections full-fledged participants on the LAN. Users connect through a server, not just by taking over the keyboard of an individual station.

In addition, automatic-tuning features have been added in the latest version to make the product easier to use. For example, Microsoft has hidden from the users many of the 45 parameters that customers can change when configuring LAN Manager. Only 7 or 8 are visible now. The "autotuning" feature instructs the server to continually monitor the constantly changing characteristics of a growing network and to automatically optimize the number of file handlers or buffers it has available, thus keeping LAN Man always in tune.

Other 2.1 features:

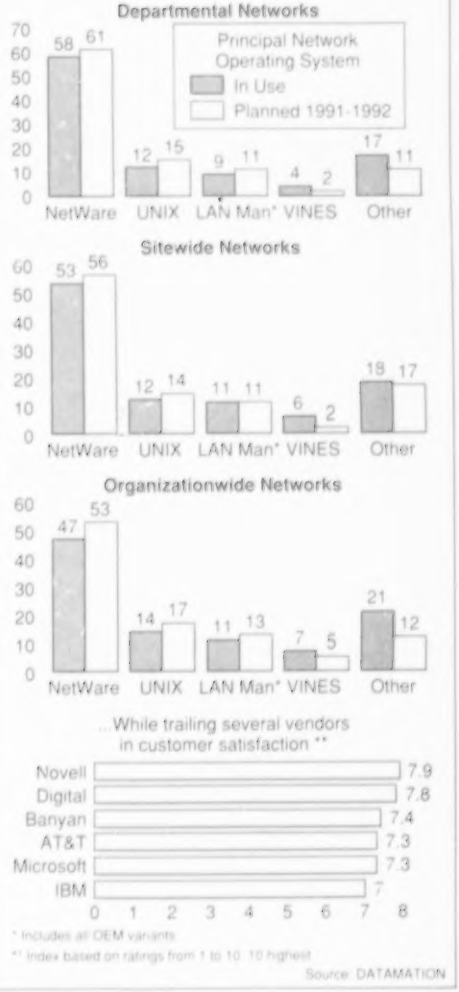
- A DOS-based package for LAN administrators who want to work from a DOS workstation; to do so now, they must use the command line. Replicas of the network interface from OS/2 are being offered to these administrators by using character-oriented windows on DOS.
- LAN Manager toolkit for Visual Basic. This is a scripting language that Microsoft has written to allow people to access LAN Manager APIs more easily from Visual Basic.
- 3Com interoperability toolkit. This will enable users of 3Com's 3+ Open (the most popular OEM version of LAN Man) to make the transition to Microsoft LAN Manager.

These interoperability features should ease some users' fears that LAN Man is a blind alley. LAN Manager servers can now be more readily integrated with other LAN operating systems, as well as with a broader range of clients. For users whose commitment to OS/2 makes them question a continuing commitment to LAN Manager, these features may postpone the need to make that decision.

That's how one major research firm that processes megabytes of critical data daily on a LAN Manager network looks at the new interoperability features. Staffers at the firm had built a number of applications on OS/2 and are quite disturbed at Microsoft's turn away from it. Dismayed at the prospect

Which Networks You Are Choosing?

Two recent surveys of DATAMATION readers show Microsoft making little headway with LAN Manager against market leader Novell, or even UNIX...



...While trailing several vendors in customer satisfaction **

* Includes all OEM variants
** Index based on ratings from 1 to 10, 10 highest

Source: DATAMATION

For the first time since MS-DOS swept into dominance, the future of PC operating systems is in doubt.

of being caught in the crossfire between IBM and Microsoft, they are seriously evaluating a switch to UNIX servers. By utilizing the TCP/IP transport with LAN Manager, they can gradually make the transition to UNIX servers if and when they decide to do so.

Pushing Harder

Like virtually every LAN vendor besides Novell, Microsoft must answer as many questions from users about its installed base as about technical performance. The company has built up a staff of "several hundred" salespeople calling on *Fortune* 500 type accounts. And it has formed a consultants' organization of about 100 persons who provide various software and related technology consulting services to corporate accounts for a fee. Thacher said Microsoft will recommend these consultants to LAN Manager users who wish to move server applications to Windows NT platforms.

This kind of marketing clout could just give LAN Manager the edge it needs to be a key player in a segment of the desktop market that so far has eluded the tenacious Microsoft. "We've had to play catch-up in networking for the last four to five years," says Murray.

Still, some analysts see NetWare and UNIX becoming the escape hatches for many users caught in the IBM-Microsoft rift and unwilling to bet on system software that may not be around in three years. After all, even OS/2 is no longer a sure thing in that time frame, as IBM romances Apple and the Pink operating system.

What About LAN Server?

IBM's LAN Server is among the most widely used of the original equipment manufacturer (OEM) versions of Microsoft Corp.'s LAN Manager network operating system. There have always been incompatibilities between LAN Server and LAN Manager, but in recent years, users had grown to expect that the two would eventually merge. Instead, merging has given way to what IBM calls "convergence," and thereafter users can expect divergence, as IBM heads off toward a model based on the Open Software Foundation's Distributed Computing Environment (DCE). IBM product marketing officials have detailed for DATAMATION what they have provided in the latest release of LAN Server and where they are headed with that product.

According to Jeanine J. Roadhouse, IBM's senior planning manager for Personal Systems Programming in Austin, Texas, LAN Server 2.0 "is equivalent to the currently shipped LAN Manager 2.0" in features. As for compatibility, "this release is functionally and API converged with LAN Manager." Roadhouse says that customers basically wanted interoperability and applications portability between LAN Manager and LAN Server, and that LAN Server 2.0 provides that, with one exception: peer services, which IBM considers a security risk.

Roadhouse says, "the affinity between the two products is still sufficient so that if, for example, in the same domain you want to run a LAN Manager LAN and a LAN Server LAN, a LAN Manager client can log onto the LAN Server and can use the resources of the LAN Server. Essentially, we interoperate very well."

Roadhouse admits, however, that "it's not quite as clean going the other way. For example, an OS/2 LAN requester cannot log onto a LAN Manager server. It has to log onto its own server. Once it's logged on, however, then it can access the LAN Manager server and use some of its services. And that's because we [LAN Server] manage both users and resources; LAN Manager and their administration only manages users. Our requesters are looking for some information from the domain controller that LAN Manager doesn't provide."

Advanced Server Features

As for specific features in the new version of LAN Server, Barbara A. Barker, advisory programmer for IBM's Entry Systems Division, says one of the key improvements is in the advanced server option, which is an implementation of the High Performance File System for 80386-based and later PCs. It's an installable file system designed to run in Ring 0, the most privileged access to the Intel CPU, eliminating delays that occur when the current file system has to perform transitions from Ring 3 to Ring 0.

"This provides a very fast file-serving capability à la NetWare 3.11. It's a 386-specific implementation, it's written in assembler and it was intended to be run on the 16-bit operating system, OS/2 1.2." The file system has a common cache and does some contiguous allocation of information. It also gives users a 32-bit I/O data path. A full 32-bit version of the file system for OS/2 2.0 is being written from scratch and will not come out until next year. The installable file system also provides a way to upgrade to a multiprocessor version of LAN Server, something IBM has demonstrated but not commercialized.

LAN Server cannot yet take advantage of any of OS/2 2.0's object-oriented interface. When LAN Server is rewritten to OS/2 2.0, Roadhouse says, the first implementation of those features will probably be drag-and-drop network printing through the OS/2 2.0 Workplace Shell.

IBM has added its own implementation of fault tolerance, including disk mirroring and disk duplexing. In the area of security, the server now has local security, which means that users' rights apply at the server, protecting it from users with low-level rights. It also means that administrators can assign limited rights to operators to perform limited functions on the server.

As for the future, IBM's contractual rights to LAN Manager code ended with LAN Manager 2.0. Roadhouse insists that this, and the firm's agreement with Novell Inc., does not mean the end of the LAN Server product line. On the contrary, IBM intends to move LAN Server toward distributed-computing capabilities, possibly as a scaled-down version of the OSF's DCE.

Roadhouse does say that IBM's agreement with Novell will result in NetWare for OS/2, as well as a migration tool to switch servers over from OS/2 to NetWare. IBM has consistently stated publicly that both LAN Server and NetWare have their places (enterprise and work group, respectively), but one well-placed analyst claims that Big Blue salespeople are in fact given greater incentives to sell NetWare, a sure indication of where IBM is placing its bet.

Roadhouse nonetheless asserts that IBM remains committed to LAN Server. She estimates that IBM will support LAN Server 2.0 for at least two or three more years, with further releases during that time. And, oh yes, LAN Server's client software will not only do OS/2 1.3, 2.0, and DOS but Windows 3.0, as well—all for $75 per client.

—Mark Schlack

MIS Buys Into Mail Order

One out of four large corporations is purchasing its PCs direct from the manufacturer. Here's what some of them say concerning what to look—and look out—for in mail order machines.

BY LEE THÉ

In many firms, the old saw that "Nobody ever got fired for buying IBM" is being replaced by, "What has MIS done to save money lately?" Where buying PCs is concerned, a growing number of PC managers are responding by buying PC compatibles directly from other manufacturers by mail order.

A significant portion of even the largest firms now say that they primarily purchase PC hardware direct, bypassing the more traditional computer store dealer or manufacturer's rep. This minority ranges from 25% of large firms with revenues over $750 million on up to 35% of firms earning less than $10 million in revenue, according to the fall 1991 DATAMATION/Cowen & Co. survey of readership buying patterns. This same survey also shows a steady increase in respondents' plans to buy through this economical channel in the coming year.

So what's behind the trend? Clearly, it has taken more than cut rate prices to make buying direct legitimate for corporate purchasers. The following items stand out:

- **The leading mail order firms now build reliable, 100% IBM PC-compatible equipment.** PCs with Intel 80386 microprocessors have been around for a while now, and the 80486 is really just a 386 with several support chips built in. The technology is well understood. Meanwhile, simplified, efficient and highly reliable chip technology keeps trickling down into PCs offered by even the more obscure mail order vendors.
- **Most mail order PC manufacturers now offer on-site service,** either directly or through third-party firms such as TRW's Customer Service Division. As PCs become more reliable, however, many PC managers say the need for on-site handholding via third-party maintenance support is diminishing.
- **Subsystems are easy to install and remove.** Troubleshooting for today's PC hardware generally involves nothing more complicated than component pop and swap, since in most cases modular components are cheaper to replace than to repair. The conversion to single inline memory modules (SIMMs), for example, has greatly simplified memory upgrades. Machines also feature standardized form factors, connectors and hole placements. This makes multiple sourcing practical.
- **Time and distance are no longer factors.** Federal Express Corp. and its ilk can now put vendor and seller together in one day almost anywhere in the United States and Canada if time-critical components need to be shipped. In most cases, vendors will send out replacement parts immediately, without waiting to receive the defective original. Without this kind of turnaround, it's likely that corporate America would still be extremely reluctant to use mail order.

Direct Order, Not Mail Order

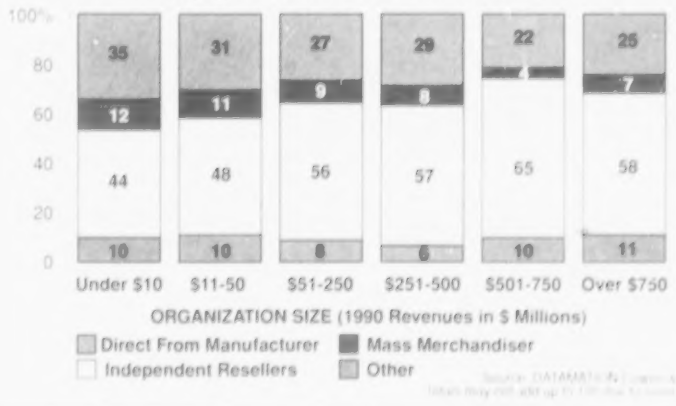
In fact, the term *mail order* is a misnomer. No one really orders by mail; it's more typically done by telephone, fax and modem. Nor is shipment often by mail. "Direct order" most accurately describes this channel, in fact.

But at one point it was more like "direct disorder." Just a few years ago, Jeff Guess, a buyer specialist in purchasing for Thomson Consumer Electronics Inc. (formerly RCA Corp.) in Indianapolis, ran into trouble while buying Zeos International Ltd.'s systems in quantity. According to Guess, the machines were fine, but the organization wasn't. He was buying 50 to 60 systems a month for 2,500 people, and the products were being directed to any of 200 loading docks. This made delivery something of a problem. If Zeos neglected to stamp a clear purchase order number on the packing slip, the PC would wind up getting shipped right back to the manufacturer.

The return rate for hardware defects was low. But Guess determined that the number of returns due to defective paper trails was unacceptably high. To make matters worse, Zeos was unable to provide a key account person or technical

Who's Buying Direct

A growing number of corporations are primarily buying their PCs direct from the manufacturer.



support person to help Guess sort through the problems.

Fortunately, this story has two happy endings. Guess switched to alternative supplier Gateway 2000 and has been satisfied ever since. He reports only one bad power supply and one defective keyboard out of 200 machines purchased so far. In both cases, replacement units were sent out immediately. And Guess got an account person assigned to him, along with the solid paper trails he wanted. Gateway now automatically calls Guess and tells him when each order ships.

Guess is pleased with Gateway's product quality. He says the products have lived up to compatibility claims and are always delivered as-ordered with whatever options a user may require—including Ethernet and Token Ring networking hardware. His only complaint is that lead times between order placement and delivery can stretch out to as much as three or four weeks. But Guess says this is relatively common industrywide.

Ready For Prime Time

The second happy ending happened to Zeos, which has learned to match its company's performance to that of its machines. Zeos vice president of marketing Rick Apple explains that when Guess was having his Zeos troubles, Zeos had been featured on the cover of a major consumer computer magazine. Orders shot through the roof and overwhelmed the company's internal structure. But Apple reports that the company has grown up since then.

This was confirmed by Ruth Sadler, an administrative assistant with the Pfizer Specialty Minerals Group in Easton, Pa. She recently bought 40 386SX laptops for her group after another division of Pfizer Inc. reported success in buying from Zeos. Only one unit failed; it had a defective hard drive. "We returned the machine. They repaired it and sent it back immediately."

Sadler reports that one salesperson handles her account. "We fax a PO, get an approximate ship date, and it's usually right on the money," she says. "We were given close attention and follow-up, too." Zeos's Apple adds that all technical calls to support personnel are routed through a screener, who directs the call to a technician with special expertise in a particular area, such as OS/2, UNIX, networks or notebooks. Tech support is available around the clock, every day of the week. And Zeos provides an 800 number through which buyers can track their orders at each point in the process, for example, finding out when the machines leave manufacturing or enter the shipping department.

Despite the high level of standardization of PCs, Zeos's Apple says his company tries to add value wherever possible. He cites the use of heavy-duty metal casings and the fact that the Federal Communications Commission has granted both Class B and UL approval of the entire computer, and not just the power supply. In addition, Zeos includes dual fans and full-width air intakes in all desktop and tower systems. The more typical left-side air slot placement becomes a problem, Apple claims, when users place desktop machines on the floor. The left-side slots tend to suck in lint and dust.

Some say that the quality control procedures put in place at leading mail-order vendors actually surpass those of some very large PC suppliers. Michael McDaniel, a communications and PC support administrator for SALCO, a storage tank company based in Tulsa, Okla., is a case in point. After extensive research into the financial health of various suppliers, including a Dun & Bradstreet credit check, McDaniel bought several dozen Gateway 2000 PCs. Says McDaniel: "It seems odd, but they don't fail as much as IBM's stuff. I came over from the service

10 Tips For Buying Mail Order PCs

1. **Insist upon FCC Class B certification of both motherboards and assembled systems.** This is a good indicator of overall product quality. UL listing and approval of the assembled system would be a plus.

2. **Remember that PCs are not quite commodity products. Make sure the systems chosen are suited to the exact uses intended.** For example, consider a tower design, if the system is going to be placed on the floor, and a heavy-duty power supply, if the system will be kept stuffed with extra boards and peripherals.

3. **Make sure that all components can be multiple sourced.** Even companies like Compaq Computer Corp. have in the past used high-priced proprietary power supplies and such. If a vendor does choose to use custom equipment, make sure that the proprietary item is truly useful—and that the company's financial position is solid. Tandon Corp., for instance, builds a proprietary removable hard drive that could be useful in some applications. And public companies, such as Northgate Computer Systems Inc. and Zeos International Ltd., can be verified for financial stability.

4. **Purchasing contracts should specify make and model of major components.** User-specified motherboards, video cards, monitors and hard drives, in particular, should never be changed without the buyer's prior approval.

5. **For better service, ask for a designated sales representative and support representative.**

6. **Require accurate purchase order tracking procedures.** Notification of the shipping date is a plus.

7. **Make sure that technical support is available during all hours and days of the week when service is likely to be required.** Some vendors' tech support organizations never close, so this is a reasonable expectation.

8. **Pick a vendor that builds the full range of PCs needed.** Some vendors have limited customization capabilities.

9. **Consider a mail order firm that also operates store chains.** CompuAdd Corp. is such a vendor, and it could become a positive factor if local support is an absolute requirement. But remember—corporate buyers generally report low failure rates for mail order machines.

10. **Prepare to negotiate with the powers that be.** Some users report that they are able to buy direct only after protracted struggles with MIS. MIS organizations should consider setting up pilot projects proactively so that they are prepared to move into this area quickly if need be.

side. They just don't." He's reported no failures in over a year.

Better Than Just As Good

He also has no trouble running the Gateways in a heavily networked environment, even when using them as file servers. McDaniel attributes this to Gateway's strong control over its own vendors, which prevents him from getting machines with the motherboard or disk drive du jour. "[Gateway] uses top-notch stuff like Micronics motherboards, Diamond Star VGA displays and assorted quality hard drives," he says.

☐ Federal Express And Its Ilk Can Now Put Vendor And Seller One Day Apart.

McDaniel doesn't think much of a possibly cheaper alternative: trying to assemble systems in house. "If you buy from a reputable mail order house, you've got that one-year pad [warranty], so you don't have to worry. If something goes wrong, it isn't your problem."

PC managers doing business with even lesser known firms are singing the praises of mail order. Tuan Pham, a systems analyst for aerospace manufacturer Rohr Industries Inc. of Chula Vista, Calif., managed to get permission to buy 54 PCs from Micro Express after winning a protracted struggle with MIS. His information systems colleagues originally had insisted on IBM personal computers bought through ComputerLand Corp. Pham says Micro Express was "a lot faster, with much better order tracking."

Any MIS department that isn't running a mail order PC pilot project—at the very least—could be in for trouble when top management starts asking "What has MIS done to save money lately?"

A Sampling Of Mail Order Suppliers

Respondents to the fall 1991 DATAMATION/Cowen & Co. survey of our readers' mini and microcomputer buying patterns named the following PC manufacturers as their suppliers:

Austin Computer Systems Austin, Texas
Circle No. 300

Blackship Computer Systems Inc.
Fremont, Calif.
Circle No. 301

Bull Dog Computer Products
Martinez, Ga.
Circle No. 302

Club American Technologies Inc.
Fremont, Calif.
Circle No. 303

CompuAdd Corp.
Austin, Texas
Circle No. 304

Dataworld
Pico Rivera, Calif.
Circle No. 305

Dell Computer Corp.
Austin, Texas
Circle No. 306

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Swan Technologies
State College, Pa.
Circle No. 312

Tandon Corp.
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Source: DATAMATION, Cowen & Co.

Building integrated transportation software is easier when you've been down the road before.

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Circle 10 on Reader Card

MARKET INSIGHTS

A SURVEY OF TECHNOLOGY TRENDS

Pen Computers: No Write Stuff

BY WARREN CHILDS
AND KATHRYN A. TITO
Business Research Group

Aggressive (and some say way too early) marketing efforts have successfully boosted the interest of potential end users in pen-based computing. In the latest survey of DATAMATION's Technology Panel, almost two-thirds of respondents say they already have at least some knowledge of the technology of pen-based microcomputing systems and its products. Only 5% of panel members were not aware at all of pen systems.

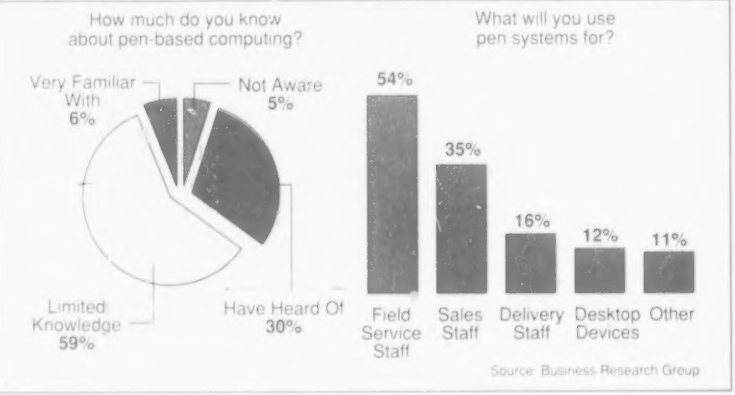
Not only are panel members highly aware of this new—and not yet available—technology, but nearly three-quarters already have strong ideas about the best ways to it in their companies. Most panel members believe pen-based computers are a valuable new tool for their companies' mobile work forces. When asked to name what they believed would be the best potential uses for these systems, the top two applications cited were to support field service workers (54%) and sales staff (35%). A distant runner-up candidate for pen-based systems was product delivery staff (16%). Only 12% expect pen systems to play a role in desktop office applications.

Among the throngs of vendors currently demonstrating pen systems are Dauphin Technology Inc., Grid Systems Corp., Microslate Inc., Momenta Corp., NCR Corp., Samsung Information Systems America Inc. and TelePad Corp. Most will ship products by mid-1992.

With users ready to place these systems in the hands of those workers who provide the contact between businesses and customers, pen-based systems could well end up playing a strategic business and marketing role for most corporations. But vendors will first have to ship products and show some performance capabilities. ▭

For more information, call Nancy Finn at (617)-964-6204, send her a fax at (617)-558-4402 or write to her at the Business Research Group, 275 Washington Street, Newton, MA 02158.

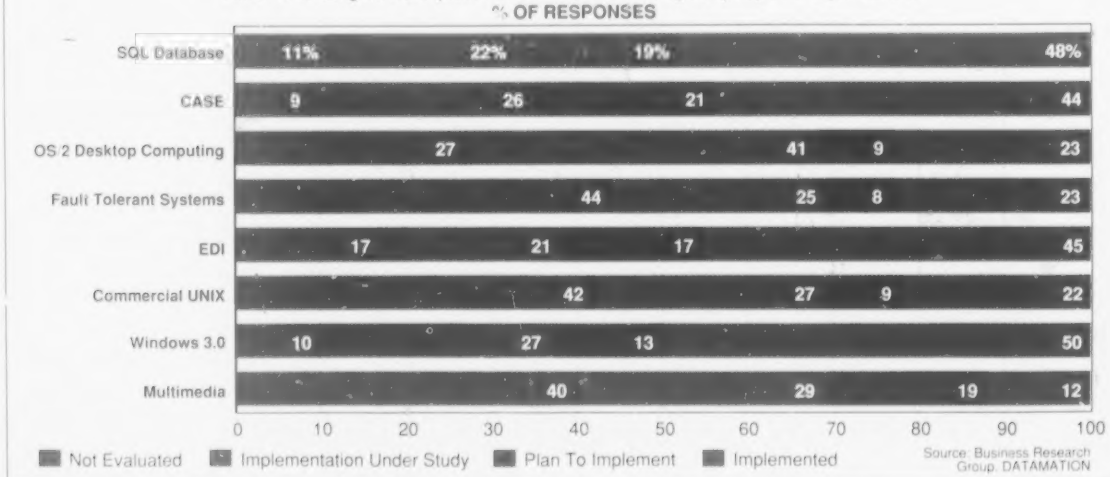
What Are The Write Uses For Pen Systems?



Source: Business Research Group

DATAMATION's Technology Implementation Index: Systems And Software

DATAMATION each month surveys a select group of its readers–the DATAMATION Technology Panel–to investigate the implementation of new technologies by key user organizations.


% OF RESPONSES
SQL Database 11% 22% 19% 48%
CASE 9 26 21 44
OS/2 Desktop Computing 27 41 9 23
Fault Tolerant Systems 44 25 8 23
EDI 17 21 17 45
Commercial UNIX 42 27 9 22
Windows 3.0 10 27 13 50
Multimedia 40 29 19 12
0 10 20 30 40 50 60 70 80 90 100
Not Evaluated
Implementation Under Study
Plan To Implement
Implemented

Source: Business Research Group, DATAMATION

DATAMATION

INTERNATIONAL

USER GROUP DIRECTORY

Clout! DATAMATION's fifth annual International User Group Directory has plenty of it. Inside the 1992 directory are more than 200 user group entries, representing the vast bulk of organized purchasing power in the information technology industry today.

Once again this year, the User Group Directory has grown in size. The directory now boasts over 200 groups, up from last year's 180 and more than four times the entries of the first, 1988, edition. User groups from around the United States and the rest of the world, some of which had been unknown to us, have come forward and identified themselves for inclusion. And we are overjoyed to accommodate them.

The satisfaction comes from fulfilling the directory's purpose. That purpose is singular in nature and elegant in its simplicity: to encourage the dissemination of information and experiences about technology products and services in order to foster more informed purchasing and better utilization.

No matter what product you are using or thinking about using, you can turn to the directory for help in locating peers to obtain and share information. Included in the directory are the names and telephone numbers of many who head individual user groups; in other instances, those who serve a coordinating role for their groups are listed. We urge you to make good use of the directory.

If you are part of or represent a group not listed in the 1992 Directory and are interested in having information about your group published, please contact DATAMATION today. Call Susan Mael at (617)-558-4438.

—Researched, compiled and edited by Susan Mael, Kelly Mount and Joseph Bowen.

1992 INTERNATIONAL USER GROUP DIRECTORY

A

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
The Advisory Group P.O. Box 2804, North Canton, OH 44720 (216) 497-5018							
$250	None/ 150	Diebold	Diebold ATMs	Charles Simpson, First Tennessee, Knoxville, Tenn.	September 13-16, Long Beach, Calif.	Annual conference, newsletter, regional meetings, hotline, discounts	Carol Maness, (804) 847-9177
Alpha Micro Users Society (AMUS) 735 Walnut Street, Boulder, CO 80302 (303) 449-6917							
$55-$80	2,200/ N/A	Alpha Micro	Alpha Micro computer systems	James A. Jarboe III, Educational Video Network, Huntsville, Ala.	March 9-13, Oakland, Calif.	Annual conference, monthly magazine, BBS, training seminars, hotline	Sharon Greene, (303) 449-6917
Altai Software User Group 624 Six Flags Drive, Arlington, TX 76011 (817) 640-8911							
None	*Usr base/ N/A	Altai Software	Altai IBM mainframe systems software	Phil Fisher, Manorcare, Silver Spring, Md.	October 5-7, Fort Worth	Two meetings a year, quarterly newsletter, hotline support, regional training	Becky Grimes, (817) 640-8911
Amdahl Users Group (AUG) 1250 E. Arques Avenue, Sunnyvale, CA 94088 (408) 746-8888							
None	Usr base/ N/A	Amdahl	All Amdahl products	Jeffrey S. Dunn, Northwestern Mutual Life, Milwaukee	September 13-16, San Diego	Annual conference	AUG office, (408) 746-8888
American Software Users Group (ASUG) 401 N. Michigan Avenue, Chicago, IL 60611 (312) 644-6610							
$250	N/A/ 320	American Software	All ASI products	Poyas Haynes, Hisante Cooper, Monks Corners, S.C.	April 5-9, Atlanta; September 13-16, Marco Island, Fla.	Two annual conferences	Kimberly Svevo, (312) 644-6610
The Americas' SAP Users Group c/o Rich Guidotti, Dow Chemical, Jefferson Overpass Building, Midland, MI 48674 (517) 636-1151							
$200	100 +	SAP AG	SAP Products	Rich Guidotti Dow Chemical Midland, MI	May/June Philadelphia, October/November location to be determined	Forums	Rich Guidotti (517) 636-1151; Erika Bhatia (215) 595-4598
Analyzer International Users Group Inc. (AIUGI) c/o Decision Technology, 4390 U.S. Route 1, Princeton, NJ 08540 (619) 987-8950 or (800) 322-9370							
None	N/A/ N/A	Decision Technology	The Decision Analyzer software	Elections upcoming	April 1992. Location to be announced	Annual conference, library of Analyzer routines, product poll	AIUGI coordinator, (619) 987-8950
The Apple User Group Connection 20525 Mariani Avenue, M/S 36AA, Cupertino, CA 95014 (800) 538-9696, ext. 500							
N/A	N/A/ N/A	Apple Computer	Macintosh and Apple II	N/A	N/A	Newsletters, quarterly video, system software updates, BBS, 1,000 groups	User Group Program office, (800) 538-9696, ext. 500
Aries Technology User Group 600 Suffolk Street, Lowell, MA 01854 (800) 642-7437							
$35	N/A/ N/A	Aries Technology	Aries ConceptStation MCAE software series	Bud Burdick, Dresser-Rand, Painted Post, N.Y.	May 3-6, Lowell, Mass.	One annual conference, quarterly newsletter	Drexel Ace, (508) 453-5310, ext. 248
Artemis Users Association (AUA) 2900 N. Loop West, Houston, TX 77092 (713) 956-7511 or (800) 777-7100							
None	1,800/ 300	Metier Management Systems	All Artemis products	John Weaver, Bonneville Power, Portland, Ore.	N/A	Annual conference, quarterly newsletter	AUA Office, (713) 956-7511
ASKUS International, Inc. 401 N. Michigan Avenue, Chicago, IL 60611 (312) 527-6707							
$300 reg / $400 assoc	N/A	Ask Computer Systems	MANMAN	Erwin Dolgin, Mowles Electric, Itasca, Ill.	To be determined	Annual conference	Barbara Chalik, (312) 527-6707

*Membership open to all users

1992 INTERNATIONAL USER GROUP DIRECTORY

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B

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
ASSIST (A Shared Solution In Software Technology) 401 N. Michigan Avenue, Chicago, IL 60611 (312) 644-6610							
$250	N/A/ 570	Andersen Consulting	Andersen Consulting products	Victor Terranova, Geneva Generics, Bloomfield, Colo.	May 3-6, New Orleans	Two annual conferences, quarterly publication	ASSIST headquarters, (312) 644-6610
Associacao Nacional dos Usuarios Unisys Rua Teixeira de Freitas 31 - Sala 1104, 20021 Rio de Janeiro, RJ Brazil (21) 221-9480							
N/A	N/A / 200	Unisys	Unisys mainframes	Roberto Macedo, Electronica Ltd.	N/A	Two meetings per year	(21) 221-9480
Association of Banyan Users International (ABUI) c/o Danieli & O'Keefe Assoc. Inc., Chiswick Park, 490 Boston Post Road, Sudbury, MA 01776 (508) 443-3330							
$150	N/A/ 1,200	Banyan Systems	All Banyan products	Todd Sebastian, Metropolitan Life, New York City	April 12-15, Chicago (in conjunction with Canadian user association)	Two annual conferences, bimonthly magazine, BBS	Jean K. Williams, (508) 443-3330
ATLAS (AMS Tradeline Annual Seminar) 2 Rector Street, New York, NY 10006 (212) 618-0463							
None	50/ N/A	American Management Systems	AMS Tradeline banking software	Peter Wren, Bank of Montreal, Scarborough, Ontario	October 4-7, Colorado Springs	One international meeting per year	Patricia Grillos, (415) 508-5259
Australasian SHARE/GUIDE Ltd. P.O. Box 62, Turramurra, New South Wales, 2074 Australia (61) 2 449-6848							
$A985	None/ 220	Independent	IBM System/370 and System/390 architectures including AS/400, MVS, VMS and VSE operating systems	Brian Hanlon, National Australia Bank, East Melbourne	February 23-26, Perth; Aug. 30-Sept. 2, Sydney	Two regional meetings per year, research publications, supports associated groups	Ella Leightner, (61) 2 449-6848
Banking Automation Research Program V. le Eginardo 29 20149 Milan, Italy							
$1,600	15/ None	Data Management	Data Management Software	A. Petruzellis, Data Management, Milan	N/A	One or two conferences per year	N/A
BASE24 User Group 330 South 108th Avenue, Omaha, NE 68154 (402) 390-7606							
None	Usr base/ N/A	Applied Communications	Entire EFT product line	Sharon Adelmann, Norwest Bank, Minneapolis	October 5-7, Boston	Annual conference, quarterly newsletter	Sharon Adelmann, (612) 667-0322
BiblioTech Users Group P.O. Box 277, Harvard, MA 01451 (508) 772-2001							
None	Usr base/ N/A	Comstow Information Services	BiblioTech Library Software Systems	None	June 3-5, San Francisco	Annual conference, quarterly bulletin, regional meetings	Lynda Moulton, (508) 772-2001
Big Apple Users Group (BAUG) P.O. Box 1822, Old Chelsea Station, New York, NY 10113 (212) 316-1830							
$30	125/ N/A	Apple Computer	Apple Computer products	John McMullen, Jefferson Valley, N.Y.	Third Tuesday each month	Monthly meetings, SIG meetings, bimonthly newsletter, hotline, BBS	Donald Cohen, (212) 222-2277
BMC User Group P.O. Box 2041, Sugar Land, TX 77487 (713) 240-8800							
$125	150/ N/A	BMC Software	IBM mainframes	Glenn Ybarra, AT&T, Maitland, Fla.	April 1993, Houston	One conference every 18 months	Linda Koscinski, (713) 240-8800
Boole and Babbage User Group (BBUG) 510 Oakmead Parkway, Sunnyvale, CA 94086 (408) 735-9550							
None	Usr base/ N/A	Boole & Babbage	All Boole & Babbage products	Bert Cooley, New York State Electric & Gas Corp., Ithaca, N.Y.	May 17-20, Dallas	Annual conference	Carol Kaplan, (408) 735-9550

1992 INTERNATIONAL USER GROUP DIRECTORY

B

C

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
Borland International Inc. 1800 Green Hills Road, Scotts Valley, CA 95066 (408) 439-1065							
N/A	Varies by grp	Borland International	Borland products	By group	By group	Information on product-specific regional groups	Tami Casey, (408)-439-1065
Boston Computer Society (BCS) One Kendall Square, Cambridge, MA 02139 (617) 252-0600							
$39	26,000/ N/A	Multiple	Multiple	Tracy Kicklider, president	Monthly	Monthly meetings, SIGs, newsletters, BBS, helplines	BCS office, (617) 252-0600
British Isles RAMIS Users Group (BYRUG) c/o General Accident Information Center, Fitheavlis, Perth, PH20NH Scotland (0738) 21202, ext. 5657							
N/A	N/A/ N/A	Computer Associates International	RAMIS Information System and RAMIS/PC Workstation	Ian McPherson, General Accident, Perth, Scotland	N/A	Two annual meetings	Ian McPherson, (0738)-21202, ext. 5657
BT Users Group 2560 N. First Street, San Jose, CA 95161 (408) 922-7505							
$175	Usr base/ N/A	British Telecom	BT products	Norm Gifford, Mark Milano, George Grilley, Tom Savoca	N/A	Annual conference, quarterly newsletter	Tony Agnelli, (408) 922-7505
BUS 7, Rue Biscornet, 75014 Paris, France (33-1) 40-01-00-02							
FF250	N/A	Groupe Bull	GCOS 6, 7 and 8	J.J. Renault, RATP, Paris	September 30-October 2, Malaga, Spain	One annual meeting, bimonthly newsletter	F. Daigne, (33-1) 40-01-00-02
Bull Users Society (BUS) P.O. Box 2314, Cherry Hill, NJ 08034 (609) 231-1486							
$225	None/ 600	Bull	All Bull products	Shirley Eick, Metroplitan Life, New York City	April 5-8, Louisville, Ky.	Two annual conferences, semiannual newsletter	Lester Pacca, (609) 231-1486
Business Application Conference 711 Stewart Avenue, Garden City, NY 11530							
None	Usr base/ N/A	Computer Associates International	Financial, accounting, distribution and decision support software	N/A	N/A	Annual conference	Alita Montes, (516) 227-3300
CA Masterpiece Users Group P.O. Box 637, Indian Rocks Beach, FL 34635-0637 (813) 596-1914							
None	3,000/ N/A	Computer Associates International	CA Masterpiece	Hollis Ezell, Avondale Mills, Sylacauga, Ala.	April 26-29, Los Angeles	Annual conference, newsletter, product advisory committees, reviews	Hollis Ezell, (205) 249-1508
CDRS User Group 6111 North River Road, Rosemont, IL 60018 (708) 698-3000							
None	None/ 1,800	Comdisco Disaster Recovery Services	All Comdisco services	N/A	March 4-6, Dallas	Annual conference, quarterly newsletter	Carol Madaras, (708) 698-3000
CHAMPS User Group Meudon Avenue, Farnborough, Hampshire, GU14 7NB U.K. (44) 252 544-321							
None	Usr base/ N/A	Thorn EMI	CHAMPS Hotel System	Phillip Scottcombes, Bonnington Hotels, London	N/A	Quarterly meetings	Douglas Ros, (44) 252 544-321
ClaimFacts Inc. 1700 Broadway, New York, NY 10019 (212) 765-8500							
$200	None/ 70	Erisco Inc.	ClaimFacts, CertiFacts	Duncan MacDonald, NRECA/CBA, Washington, D.C.	May 27-28, San Diego	Annual conference	Cindy Morton, (212) 765-8500
Club des Utilisateurs Bull Europeens (CUBE) 43, Rue de la Chaussee d'Antin 75009 Paris, France (33) 1 48 74 9417							
FF1,700-5,000	N/A/ 1,000 groups	Bull	GCOS 8, CGOS 7, CGOS 6, CGOS 4, UNIX, CTOS, MS/DOS, Multics, DPS 9000, DPS 8000, DPS 8, DPS 7000, DPS 6, DPS 4, DPX, Questar	Jean-Pierre Muller, Gieouest, Nantes, France	N/A	Annual conference, regional meetings, SIGs	CUBE office, (33) 1 48 74 9417

1992 INTERNATIONAL USER GROUP DIRECTORY

C

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
Cognos International Users' Group							
3755 Riverside Drive, Ottawa, Ontario K1G 3Z4 Canada (613) 738-1440							
None	N/A/ N/A	Cognos	All Cognos products	None	October 19-22 Dallas	International conference, regional meetings, quarterly newsletter	Anne Betz, (613) 738-1440, Ext. 3553
College and University Systems Users Group (CUFFS)							
1777 North Kent Street, Arlington, VA 22209 (703) 841-6391							
None	None/ 80+	American Management Systems	AMS college and university financial products	John Johnston, Algonquin College Toronto, Ontario	April 26-29, Reston, Va.	Annual conference, quarterly newsletter	Dorothy Cotman, (703) 841-6391
Commodore							
1200 Wilson Drive, West Chester, PA 19380 (800) 448-9987							
N/A	N/A/ N/A	Commodore Business Machines	All products	None	N/A	Information on 350 regional groups	Customer service, (800) 448-9987
COMMON							
401 N. Michigan Avenue, Chicago, IL 60611 (312) 644-6610							
$250	N/A/ 4,500	IBM	All IBM midrange hardware	Gene Gallman, CYRO Industries, Mount Arlington, N.J.	April 28-30, Atlanta; October 19-23, Anaheim, Calif.	Two annual conferences, quarterly newsletter, other publications	COMMON headquarters, (312) 644-6610
Communications Resource Management System User Group							
300 S. Wacker Drive, Chicago, IL 60606 (800) 448-8777							
N/A	N/A/ N/A	Chi/Cor Information Management	CRMS Software	Carolyn Deters, IDS Financial Services Inc.	September 14-16, Chicago	Annual Conference	Heidi Ewell, (800) 448-8777 or (312) 322-0150
Computer Associates Visual Information Association							
711 Stewart Avenue, Garden City, NY 11530							
N/A	Usr base/ N/A	Computer Associates International	CA graphics products	Ron Blue, State Farm, Bloomington, Ill.	N/A	Annual conference, quarterly newsletter, nine regional groups	Alita Montes, (516) 227-3300
Compuware Corp.							
6849 78th Avenue, Minneapolis, MN 55445 (612) 560-8633							
None	N/A/ N/A	Compuware	Interactive testing and analysis tools	N/A	N/A	Provides information on regional groups	Audrey Williams, (612) 560-8633
Comshare Users Group							
3001 South State Street, Ann Arbor, MI 48108 (313) 994-4800							
None	Usr base/ N/A	Comshare	Comshare products	Roy Taylor, Whirlpool Corp., Benton Harbor, Mich.	N/A	Annual conference, local groups, newsletter, database	Julie Tite, (313) 994-4800
Comten Users' Exchange (CUE)							
c/o Ron Block, Donovan Data Systems, 115 West 18th Street, New York, NY 10011 (212) 633-5080							
None	N/A/ N/A	NCR Comten	Comten front-end processors	Ron Block, Donovan Data Systems, N.Y.C.	April 1992, Location to be determined	Two annual conferences	Ron Block, (212) 633-5080
CONTROL:User Group (CUG)							
P.O. Box 302, Troy, MI 48007 (313) 641-4644							
N/A	N/A/ N/A	Cincom Systems	CONTROL: Manufacturing software for IBM and Digital Equipment	John Forrest, Vickers Inc., Troy, Mich.	June 7-11, Cincinnati	Annual conference, newsletter, 5 SIGs	John Forrest, (313) 641-4644
Convex User Group							
3000 Waterview Parkway, Richardson, TX 75080 (214) 497-4000							
None	Usr base/ N/A	Convex Computer	Convex supercomputer	Michael Padnick, President	May 17-22, Location not yet announced	Annual worldwide user conference, software library, newsletter	Mary Kay Havens, (214) 497-4000

1992 INTERNATIONAL USER GROUP DIRECTORY

C

D

Cooperative Users of Recognition Equipment (CURE)
2701 East Grauwyler Road, Irving, TX 75061 (214) 579-6000

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
None	None/ 5,620	Recognition Equipment	All REI data capture systems	None	N/A	Annual conference	Paula Ezernak, (214) 579-6000

Corporate Association for Microcomputer Professionals (CAMP)
950 Skokie Boulevard, Suite 310, Northbrook, IL 60062 (708) 291-1360

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
$95 for 2 people	N/A/ N/A	No affiliation	All microcomputer hardware, software and services, office productivity, networking and application development	Julian Horwich	Meets twice monthly	Meetings, bulletin board, seminars, tradeshows	Julian Horwich, (708) 291-1360

Cortex Users' Society (CORUS)
P.O. Box 241, Waltham, MA 02254 (617) 622-1900 ext. 718

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
None	Usr base/Cortex N/A		CorVision Software	Margaret Gilbert, DuPont IEA, Wilmington, Del.	October 1992, Location to be decided	Annual conference, quarterly newsletter	Ken MacLaurin, (617) 622-1900 ext. 718

Cray User Group Inc.
c/o Gunter Georgi, Grumman Corp., D09 GH2, Bethpage, NY 11714 (516) 575-2855

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
$200	None/ 200	Cray Research	All Cray products and interfaces to other equipment	Mary Zosel, Lawrence Livermore Labs, Livermore, Calif.	April 6-10, Berlin; September 13-18, Washington, D.C.	Two annual conferences, newsletters	Gunter Georgi, (516) 575-2855

Credit Management Systems
1777 N. Kent Street, Arlington, VA 22209 (703) 841-6404

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
None	Usr base/ N/A	American Management Systems	AMS credit management systems software	Barb Gooden, Bank of Nova Scotia, Toronto	October 4-7, Colorado Springs	One user conference every 18 months, newsletter	Pat Grillos, (415) 508-5259

CTOS Users Forum (CTUF)
2700 N. First Street, San Jose, CA 95134 (408) 434-2653

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
$95	N/A/ 250	Unisys, Convergent Technologies	CTOS operating system and compatible products	Daniel Leary, Automated Programming Technologies, Birmingham, Mich.	N/A	Annual conference, newsletter	Will Limkimin, (216) 871-3135

CUBE Inc.
100 Maple Park Boulevard, Suite 152, St. Clair Shores, MI 48081 (313) 771-9300

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
None	4,000/ None	Unisys	All Unisys products	Tom Hind, Spartan Mills, Spartan Brook, S.C.	April 27-30, San Francisco; October 12-15, Atlanta	Two annual conferences, newsletter	Mary Lou Regan, (313) 771-9300

CUE North America
P.O. Box 1551, New London, CT 06320 (203) 443-2883

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
$100-400	None/ 300	Cadam	All Cadam software	Rosemary Russo, McDonald's Corp., Oak Brook, Ill.	March 16-19, Denver	Two annual conferences, newsletter, BBS	Catherine Foley, (203) 443-2883

Cyborg Users Association
1163 Shermer Road, Northbrook, IL 60062 (708) 205-1330

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
$100	N/A/ N/A	Cyborg Systems	All Cyborg Software	Richard C. Dole, State Mutual Life, Worcester, Mass.	April 21-24, Chicago	Conferences, newsletter, resource manual	Ralph Wells, (708) 205-1330

Data Administration Management Association International
152 W. Northwest Highway, Suite 103, Palatine, IL 60067

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
None	N/A/ N/A	No affiliation	N/A	Pat Cupoli, Unocal Corp., Schaumburg, Ill.	To be determined	Newsletter for local chapters, co-sponsor annual symposium with a local chapter	Susan Farenci, (212) 898-1590

Datacom/Ideal Midwest Regional Users Group
c/o Marty Marsh, Zurich American Insurance, 1400 American Lane, Schaumburg, IL 60196 (708) 605-6027

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
None	N/A/ 75	Computer Associates International	CA Datacom and CA Ideal	Marty Marsh, Zurich American Insurance, Schaumburg, Ill.		Quarterly meetings, workshops, software exchange	Marty Marsh, (708) 605-6027

1992 INTERNATIONAL USER GROUP DIRECTORY

D

E

Delaware Valley DB2-SQL/DS Users' Group

P.O. Box 7777 W2470, Philadelphia, PA 19175 (215) 522-6294

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
$35 (one time fee)	1000/ N/A	IBM	DB2, SQL/DS	Mike Fitzgerald Coopers & Lybrand	January 29, April 22 July 15, October 21 All are in Essington, Pa.	Quarterly meetings	Jean A. Tucker, (215) 522-6294

Digital Equipment Computer Users Society (DECUS)

333 South Street, SHR 1-4/J32, Shrewsbury, MA 01545 (508) 841-3389

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
None	50,000/ N/A	Digital Equipment	DEC products	Bill Brindley, HDQ Naval Security Group Command Washington, D.C.	May 2-8, Atlanta December 5-11, Las Vegas	National symposia, regional conferences, newsletter, software library	Trisha Power, (508) 841-3389

DMS/OS User Group

11050 White Rock Road, Rancho Cordova, CA 95670 (916) 638-1804

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
None	N/A; User base	Sterling Software	Storage management and data communications products	None	April 12-15, Chicago	Annual conference, newsletter	Kim Hughes, (916) 635-5535

DocuGroup

5910 North Central Expressway, Suite 800, Dallas, TX 75206 (214) 891-6500

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
None	User base/ N/A	Image Sciences	All Image Sciences products	None	May 2-7, Dallas	Annual conference	Muriel Hogan, (214) 891-6500

Dun & Bradstreet Software Users Group

3445 Peachtree Road Northeast, Atlanta, GA 30326 (404) 239-2506

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
None	N/A; 7,500	Dun & Bradstreet Software	E Series software	Ed Simmons, Ennin Corp. Les Palmer, Hallmark Cards Inc.	April 21-25, Atlanta	One international conference, regional/industry specific meetings, newsletter	Kerry Coxworth, (404) 239-2506

Dun & Bradstreet Software Users Group U.K.

P.O. Box 273 Kings House, Bond Street, Bristol BS99 7AL U.K. (44) 272 27 6866

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
None	All U.K. Users	Dun & Bradstreet U.K.	Financial and logistics software	N/A	September 14-16, Brighton, U.K.	One conference a year, quarterly magazine	Jane Gould, (44) 272 27 6866

Dylogue

9340 Owensmouth Avenue, P.O. Box 2210, Chatsworth, CA 91313 (818) 718-8677

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
None	User base/ N/A	Sterling Software Dylakor Division	All Dylakor products	None	April 12-15, Chicago	One annual U.S. meeting, international and regional seminars, newsletter	Kim Hughes, (916) 635-5535

EDGE International

P.O. Box 691, Cudahy, WI 53110 (414) 963-7131

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
$300	None/ 250	Multiple	Xerox and Xerox compatible systems	Tim Martin, Boeing Support Services, Seattle	May 1992, Locations to be determined	Two annual conferences, newsletter	EDGE headquarters, (414) 963-7131

EDV-Anwenderkreis e.V. (EAK)

P.O. Box 81 6992 Wolfratshausen, Germany (49) 7934-3036

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
DM180/ DM327	323	Siemens Nixdorf	Nixdorf systems 8810, 8840, 8860, 8870 Quattro, and 8890, standard software Nixdorf COMET TOP, 8818	Rudiger Brand	November 15, Location not yet announced	Hardware/software support, seminars, congresses, education	(49) 7934-3036

Encore Users Group

6901 West Sunrise Boulevard, Ft. Lauderdale, FL 33313 (305) 797-5423

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
None	3,000/ N/A	Encore	All Encore products	Ron Kirkpatrick, GE Government Services, Melbourne, Fla.	May 18-22, Ft. Lauderdale, Fla.	Two annual conferences, software library	Lynne Connors, (305) 797-5736

Encore Users Group International

6901 West Sunrise Boulevard, Ft. Lauderdale, FL 33313 (305) 797-5423

Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
None	3,000/ N/A	Encore	All Encore products	Ray Crawford, Royal Aerospace Establishment, Pyestock, England	May 18-22, Ft. Lauderdale, Fla.	Two annual conferences, library	Lynne Connors, (305) 797-5736

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Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
European Control Data Users Barer Strasse 21, D-8000 Munich 2, Germany (49) 89-2105-7408							
SFr200	N/A/ 151	Control Data	Large mainframes for scientific, technical and database applications; sophisticated operating systems and networks; high-performance workstations	Dietz Schubring, Leinz Rechenzentrum, Munich	N/A	Two national meetings per year, bimonthly newsletter	Eric Luijf, (31) 70-264-221, ext. 588
EurOpen (European Forum for Open Systems) Owles Hall, Buntingford, Herts, SG9 9PL England (44) 763-73039							
By local group	6,000/ N/A/	AT&T UNIX Europe		Michel Gien, Chorus Systemes, Paris	N/A	Two annual international conferences, newsletter, European UNIX Groups	Mrs. H. Gibbons, (44) 763 73039
Express User Group U.S. 200 Fifth Avenue, Waltham, MA 02154 (617) 890-1100							
$495/ $500	N/A	Information Resources	Information Resources Decision Support Software	Steve Rubinow, Budget Rent-A-Car, Chicago, Ill.	September 25-28	Annual Conference, newsletter	Paul Murray, (617) 890-1100
FACOM Family Kai 6-1 Marunouchi 1-chome, Tokyo 100, Japan (81) 3-216-3211							
24,000 yen	None/ 3,950	Fujitsu	All Fujitsu computers; FACOM computers	Hideo Watanabe, Mitsubishi Kasei Corp.	N/A	One national meeting per year, newsletters and other publications	(81) 3-216-3211
Federation of NCR User Groups (FNUG) 5008-08 Pine Creek Drive, Westerville OH 43081 (614) 895-1280							
$100	NA/ 4,000	NCR	All NCR products	Robert E. Richter, Baker Manufacturing, Evansville, Wis.	April 26-29, Atlanta	One user conference and one technical seminar, quarterly newsletter	FNUG office, (614) 895-1280
Fieldwatch Users' Group (FUG) c/o AT&T Paradyne, P.O. Box 2826, 8545 126th Avenue N., Largo, FL 34649 (813) 530-2956							
None	350/ 115	The Data Group	Fieldwatch software for IBM, VAX and HP mainframes	Allison Buckner, AT&T Paradyne, Largo, Fla.	May 1992, Orlando, Fla.	Two annual conferences, newsletter, software library	Allison Buckner, (813) 530-2956
FMS/IDEAS Users Group 550 North Reo Street, Suite 203, Tampa, FL 33609 (813) 282-0330							
None	N/A/ N/A	Cogent Information Systems	Price Waterhouse systems financial management systems; IDEAS; FMS/Link; IDEAS/Link	Guy Michael, Exxon Yemen Corp., Houston	October 20-23, Tarpon Springs, Fla.	One annual conference, user group board, newsletter	June Tung, (201) 379-7979
Fox Valley Technical College PC User Group P.O. Box 2277, Mail Room 318, Appleton, WI 54913 (414) 735-2470							
$15	245/ N/A	Multiple	PCs and compatibles	Jim Jensen, WEMI FM, Menasha, Wis.	Monthly meetings	Monthly meetings, newsletter	Judith Brown or Cindy Kane, (414) 735-2470
Fujitsu Large Systems Users Group 17-25 Shin-Kamata 1-chome, Ota-ku, Tokyo 144, Japan (81) 3-735-1111							
None/ 30,000 yen	None/ 304	Fujitsu	Fujitsu systems larger than M-760/8	Kazumi Yasuda, Fuji Electric Co. Ltd.	June 11-12, Location to be determined	One national meeting per year, quarterly newsletter	Isamu Kobayashi, (81) 3-735-1111
Fujitsu Scientific Systems Users Association 17-25 Shin-Kamata 1-chome, Ota-ku, Tokyo 144, Japan (81) 3-735-1111							
20,000 yen	2/ 57	Fujitsu	FACOM mainframes in scientific and technical fields	Makoto Nagao, Kyoto University	N/A	Meetings, newsletters	(81) 3-735-1111
Fuse Inc. (Focus Users Group) 200 Craig Road, Suite G, Freehold, NJ 07728 (908) 308-9275							
None	8,000/ N/A	Information Builders	Focus	Steve Hodos, Sealand, Seattle	April 30-May 5, Dallas	Annual conference, quarterly newsletter	Rosemary Mauro, (908) 308-9275

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Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
Genesus Network Systems Switzerland, Hohlstrasse 536, 8048 Zurich, Switzerland (41) 1 431 5340							
None	N/A/ 50	Network Systems	Network Systems Corp. products	Olivier Caleff, Electronique Serge Dassault, St. Cloud, France	May 12-15, Copenhagen, Denmark	Annual conference, conference proceedings	Annamarie Tollardo, (41) 1 431 5340
Global Software User Group Inc. P.O. Box 51420, Raleigh, NC 27615 (800) 326-3444							
None	N/A/ 2,000	Global Software	Global's financial software	Vicki Walkup, Mead Corp., Dayton, Ohio	August 25-28, Orlando, Fla.	Annual conference, quarterly newsletter	John Alis, (800) 326-3444
Government Management Information Services (GMIS) P.O. Box 926, Wichita Falls, TX 76307 (817) 692-3707							
$50 $200	N/A/ 200	Multiple	Data processing in government agencies	Robert Canney, Black Hawk City, Iowa	June 21-25, Dallas	Annual conference, newsletter, annual survey	Dick Schmid, (214) 653-6141
Government Systems Users Group (GSUG) 1777 North Kent Street, Arlington, VA 22209 (703) 841-6000							
None	Usr base/ N/A	American Management Systems	Government systems products	Steven Brown, State of Alabama, Montgomery, Ala.	September 1992, Crystal City, Va.	Annual conference, quarterly newsletter, regional meetings	Dorothy Colman, (703) 841-6391
GroupFacts Advisory Board 170 Broadway, New York, NY 10019 (212) 765-8500							
$300	N/A/ 25+	Ensco	GroupFacts	Joseph Fields, Rural Security Life Insurance Co., Madison, Wis.	February 3-4, Miami; May 27-28, San Diego	Annual conference	Cindy Mahon, (212) 765-8500
GrowthPower User Group 70 Blanchard Road, Burlington, MA 01803 (617) 229-2200							
None	None/ 750	Powersoft	GrowthPower software and HP hardware	None	N/A	One annual meeting, quarterly newsletter, umbrella for 20 local groups	Kathi Quigley, (617) 229-2200
GUIDE c/o Erwin Francsek, Schweizerische Fur Gesellschaftsorgs Gesellschaft Postfach CH 8022, Zurich (41) 1 288 3545							
N/A	N/A/ N/A	IBM	All IBM System/370 architecture and top end AS/400 products	N/A	N/A	Two international conferences per year, newsletters	(41) 1 288 3545
GUIDE International Corp. 401 N. Michigan Avenue, Chicago, IL 60611 (312) 644-6610							
$450	N/A/ 2,500	IBM	3090, 3080, 4300, 9370, ES/9000, AS/400	Ben Parke, Deere & Co., Moline, Ill.	March 15-20, Los Angeles; July 12-17, Chicago; November 15-20, Atlanta	Three annual conferences, symposia, newsletters	Gina Speziale, (312) 644-6610
HITAC Users' Association Hitachi Omori Annex #2 27-18, Minami-Oi 6-chome, Shinagawa-ku, Tokyo 140 Japan (81) 3 763 2411 Ext. 3201-3205							
24,000 yen	N/A/ 1,780	Hitachi	All Hitachi computer systems	Kenzo Sakai, Shoko Chukin Bank	N/A	One annual national meeting, magazine and research papers	Kazuya Hanazuka, (81) 3 763 2411
Hogan User Group International Inc. (HUG) Blendonview Office Park, 5008-11 Pine Creek Drive, Westerville, OH 43081 (614) 895-1362							
$400	N/A/ 108	Hogan Systems	Hogan Systems software and IBM financial application software	Fred Finlay, Irish Permanent Building Society, Dublin	May 4-7, Lake Buena Vista, Fla.	Annual conference, quarterly journal	Jim Bannister, (614) 895-1362
ICL Computer Users Association P.O. Box 42 Bracknell, Berkshire RG12 2L G, U.K. (44) 3-44-482933							
$50- $200	N/A/ 40 groups	ICL	All ICL products	David Stewart, Magistrate's Court, Manchester, England	N/A	Annual conference, regional meetings, quarterly journal	Association secretary, (44) 3-44-482933

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Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
ImpleFacts Advisory Board 1700 Broadway, New York, NY 10019 (212) 765-8500							
None	N/A/ User base	Erisco	ImpleFacts	John McLaughlin, Goodwin Inc., Briarcliff Manor, N.Y.	May 27-28 San Diego	Annual conference	Cindy Morton, (212) 765-8500
Info Exchange 711 Stewart Avenue, Garden City, NY 11530							
None	N/A/ N/A	Computer Associates International	CA's Infopoint products	Mike Ritchie, UBJ Financial Corp., Princeton, N.J.	N/A	Annual conference, quarterly newsletter	Alita Montes, (516) 227-3300
Information Dimension Exchange Association (IDEA) 655 Metro Place South, Dublin, OH 43017 (614) 761-8083							
$30	570/ None	Information Dimensions	All Information Dimension products	Debbie MacDonald, MacDonald Consulting, Washington, D.C.	N/A	Two annual conferences	Sandra Sabanske, (913) 381-4458
Information Systems Security Association Inc. (ISSA) P.O. Box 9457, Newport Beach, CA 92658 (714) 250-4772							
$70	2,100/ N/A	Multiple	Security products	Sally Meglathery, New York Stock Exchange, N.Y.C.	March 21-27 Houston	Annual conference, 35 regional chapters, quarterly magazine	Richard V. Rueth, (714) 250-4772
Information User Association (IUA) 401 N. Michigan Avenue, Chicago, IL 60611 (312) 644-6610							
None	N/A/ 1,850	Computer Associates International	CA IDMS/DB, CA DB/VAX, VAX UNIX CA Datacom/DB, CADRE and related applications	George Emmanuel, Hughes Aircraft, Long Beach, Calif.	April 5-9 Dallas	Annual conference, user contributed libraries	Ann van Meulen, (312) 644-6610
IntelliCorp Users Group (IC UG) 1975 El Camino Real West, Mountain View, CA 94040 (415) 965-5500							
None	Usr base/IntelliCorp N/A		All IntelliCorp software products	None	Not available	Annual conference, regional meetings	Debbie Kern, (415) 965-5500
Interchange Inc. One Technology Way, Westford, MA 01886 (508) 392-2651							
$50 Indiv./ $150 Corp.	1,600/ 4	Concurrent Computer	Concurrent's real-time systems	Ellen MacDonald, John Bans, Jim Schultz, Prentice Mooney	September 25 Las Vegas	Annual conference, quarterly newsletter, three software libraries, BBS	Ellen MacDonald, (508) 392-2651
Interex Inc. (The International Association of HP Computer Users) P.O. Box 3439, 565 Maude Court, Sunnyvale, CA 94088 (408) 738-4848							
$80 Indiv./ $400 Corp.	N/A/ N/A	Hewlett Packard	All HP computer products	Chuck Piercey, CEO, Interex	August 24-27 New Orleans	Conferences, two monthly magazines, newsletters, BBS	Ruby Turner, (408) 738-4848
International CSP User Group (CSPUG) 204 Andover Street, Andover, MA 01810 (508) 470-3880							
$50	125/ N/A	Multiple	IBM's CSP, K-CCS's CSP/ADE	Michael J. Ciocia, K-C Computer Services, Dallas	June 29-July 1 Boston, December 8-10 Chicago	Quarterly newsletter, conferences, local user group sponsorship	Michael J. Ciocia, (214) 830-6800
International Databus Users Group (IDUG) 13663 Jupiter Road, Suite 404, Dallas, TX 75238 (214) 871-3102 or (214) 340-6824 (BBS)							
None	250/ N/A	Multiple	Databus programming language	Mike Shaffer, Savant Technologies, Dallas	September 1992, Location to be decided	Annual conference, newletter, BBS	Mike Shaffer, (214) 871-3102
International Data 3 Users Group (IDIG) 1375 Corporate Center Parkway, Santa Rosa, CA 95407 (707) 528-6560							
None	Usr base/ N/A	ASK Computer Systems, Data 3 Division	Data 3 software running on the AS/400	Kevin Wood, Engelhard Corp., Iselin, N.J.	September 15-18, St. Louis	Annual conference	Richard Hardcastle, (707) 528-6560
International DB2 Users Group (IDUG) 401 N. Michigan Avenue, Chicago, IL 60611 (312) 644-6610							
None	1,500/ None	IBM	DB2	Ken Parris, Forecross Corp., San Francisco	May 10-14, New York	Annual conference, BBS, bimonthly newsletter	Laura Navarroli or Bill Crowley, (312) 644-6610

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Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
International Function Point Users Group (IFPUG)							
5008-28 Pine Creek Drive, Westerville, OH 43081 (614) 895-7130							
$200	285	Multiple	Metrics and function point measurement	Craig Scates, GTE Data Services, Temple Terrace, Fla.	April 13-16, Charleston, S.C.	Two annual conferences, newsletter, manuals	Nancy P. Marshall, (614) 895-7130
International Intergraph Graphics Users Group (IIGUG)							
Huntsville, AL 95894-0019 (205) 730-2292 or (800) 642-9420							
None	Usr base/Intergraph N/A		All Intergraph hardware and software	Ray McEvoy, Pelkins Gilmer, Buckinghamshire, England	Int'l, May 4-8, Huntsville, Ala.; U.S., September 27-October 1, Anaheim, Calif.	International conference, U.S. conference, newsletters, 14 SIGs	Guy Nesin, (205) 730-2292
The International Mini/Microcomputer Information Exchange (TIMIX)							
P.O. Box 201897, Austin, TX 78720 (512) 250-7151							
$85	4,500/ N/A	Texas Instruments	All Texas Instruments computer products	John Martin, Houston Computer Services Inc., Houston	June 27-30, Orlando, Fla.	One national meeting, monthly magazine, direct mail service	Rosemary Colgrove, (512) 250-7151
International Model 204 Users Group							
P.O. Box 966, Cambridge, MA 02142 (617) 661-6204							
$25	1,600/ N/A	Computer Corp. of America	Model 204 RDBMS	Eric Adler, A.C. Nielsen Company, Dunedin, Fla.	Not available	Annual conference, newsletter, regional group meetings, SIGs	Headquarters, (617) 661-6204
International Office Technologies Association (IOTA)							
248 Columbia Turnpike, Florham Park, NJ 07932 (201) 292-3427							
$5,500 corp. $2,000	None/ 70 max.	Multiple	Office technologies	Michael J. Chumer, executive director	Not available	Two annual conferences, research reports, peer review	Michael J. Chumer, (201) 292-3427
International Oracle User Group							
500 Oracle Parkway, Redwood Shores, CA 94065 (415) 506-7000							
By chapter	By grp.	Oracle	All Oracle products	Michael Corey, President	By regional or local group	Umbrella organization for 80 groups	Katy Wainewski, (415) 506-5328
International Society of Wang Users (ISWU)							
2138 South 61st Court, Suite 205, Chicago, IL 606 01 (708) 652-ISWU							
None	N/A	Wang Laboratories	All Wang products	Matt Gilman, Blue Cross/Blue Shield, Chicago	N/A	Information on 12 groups	ISWU office, (708) 652-ISWU
International Software AG Users Group (SAGGROUP)							
11190 Sunrise Valley Drive, Reston, VA 22091 (703) 391-6727							
None	Usr base/ Software AG N/A		All Software AG products	Jim Hill, Washington State University, Pullman, Wash.	May 11-15, New Orleans	Annual conference, newsletter	Jen Norman, (703) 391-6727
International Tandem Users Group (ITUG)							
401 N. Michigan Avenue, Chicago, IL 60611 (312) 644-6610							
$375	2,600/ 900	Tandem Computers	All Tandem Products	Neil Clark, Gallagher, Bassett Services	April 12-16, Nice, France	Conferences, journal, library, consultant-vendor directory, tutorials	Allison Powers, (312) 644-6610
International Users Group for Repository and AD/Cycle							
401 North Michigan Avenue, Chicago, IL 60611 (312) 644-6610							
None	300/ N/A	IBM	IBM Repository and AD/Cycle	Howard Fosdick, Fosdick Consulting, Villa Park, Ill.	N/A	Annual conference	Mariane Griffin, (312) 644-6610
Intersolv User Group Inc.							
P.O. 934, Kendall Square, Cambridge, MA 02142 (617) 494-8200							
$95	N/A/ 555	Intersolv Inc.	Excelerator, Excelerator/RTS, XL/DI, PC Prism, PVCS, APS	Dian Weir, Los Alamos National Labs, Los Alamos, N.M.	Fall 1992, Location to be determined	Annual conference, newsletter, software library, discount publications	Pamela Meyer, (617) 494-8200

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Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
The IV League Inc. 5900 Canoga Avenue, Woodland Hills, CA 91367 (818) 716-1616							
$350	450	Sterling Software, Answer Systems Div.	Answer products, MARK products, ZIM, Sterling TestPro, Sterling Developer	Harry Kebabjian, Sterling Software	April 12-15, Chicago	System evaluation committee, user conference	Marcia Steinhorn, (818)-716-1616
Japan Unisys Users Association Nihon Unisys Ltd., 17-51, Akasaka 2-chome, Minato-ku, Tokyo 107, Japan (81)-35-485-4400							
24,000 yen	1,300	Nihon Unisys	Unisys Series 2200/1100, A/V series mainframe	Senya Adachi, President	May 21-22, Tokyo	Two conferences per year, monthly publications, technical reports	Muneo Murakami, (81)-35-485-4400
J.D. Edwards User and Business Partner Conference 8055 E. Tufts Avenue, Suite 1300, Denver, CO 80237 (303)-488-4000							
N/A	Usr base	J.D. Edwards & Co.	J.D. Edwards products	N/A	June 8-12, Denver	Annual conference, newsletters	Marissa Gotta, (303)-488-4000
KnowledgeWare User Conference 3340 Peachtree Road NE., Atlanta, GA 30326 (404)-231-8575							
N/A	Usr base	Knowledge-Ware	All KnowledgeWare products	N/A	March 2-4, Atlanta	Annual Conference	Diana Felde, (404)-231-8575
Lawson User Exchange 1300 Godward Street, Minneapolis, MN 55413 (612)-379-2633							
None	Usr base	Lawson Associates	Financial, human resources, distribution and retail application software	Ken Holec, President & CEO	August 10-13, Minneapolis	Technical, end-user and management sessions, labs	Monica Nanstad, (612)-379-2633
Lotus User Group Program 55 Cambridge Parkway, Cambridge, MA 02142 (617)-693-1606							
N/A	N/A/ N/A	Lotus Development	All Lotus products	N/A	N/A	Provides information on regional user groups	Elena Fernandez, (617)-693-1606
MacIS 401 N. Michigan Avenue, Chicago, IL 60611 (312)-644-6610							
$500 Indiv / $1,500 Corp.	67/ 111	Apple Computer	Apple computers in information systems	Jim Young, EDS Dallas	March 1992, Toronto	Two annual conferences, surveys, BBS, newsletter	Pam Swenson, (312)-644-6610
Magec User Group (MUG) 4054 Infomart, 1950 Stemmons Freeway, Dallas, TX 75207 (214)-746-4000							
N/A	N/A	Magec Software	Magec rapid application development system	Marci Gard, Central & South West Services, Dallas	N/A	N/A	Marci Gard, (214)-754-1574 Lisa Payne, (214)-954-7250
MaGen User Group Haverly Systems, 12 Hinchman Avenue, P.O. Box 919, Denville, NJ 07834 (201)-627-1424							
None	N/A/ 400	Haverly Systems	Haverly Systems linear-programming modeling software	Ken Spencer, Haverly Systems	July 1992, Location to be determined	One U.S. meeting, one European meeting, one Asian meeting	Ken Spencer, (201)-627-1424
MAI National Users Group (MAIFUG) P.O. Box 124, Union City, CA 30291 (800)-241-7345							
By local group	1,200 + / None	MAI Systems	All MAI products	George Miller, Cleveland Group, Atlanta	August 22-26, Chicago	Annual conference, newsletters, educational services, 24 local groups	Phil Basler, (714)-731-5100
Maximo User Group (MUG) 20 University Road, Cambridge, MA 02138 (617)-661-1444							
None	Usr base/PSDI N/A		Maximo maintenance system	N/A	Fall 1992, Location to be announced	Annual conference, newsletter, BBS	Rob Bloom, (617)-661-1444
MicroMan II User Group c/o POC IT Management Services Inc., 429 Santa Monica Blvd., #460, Santa Monica, CA 90401 (310)-393-4552							
None	835/ 475	POC IT Management Services	MicroMan II: System Development Guide; MicroMan Esti-Mate	Michael Rainger AT&T Paradyne	March 1992, Santa Monica	Annual meeting, newsletter, surveys	Sally Jacobs, (310)-393-4552

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Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
Microcomputer Managers Association P.O. Box 4615, Warren, NJ 07059 (908) 580-9091							
N/A	N/A	Multiple		Roger Bender	To be determined	Annual conference, monthly seminars, newsletters	MMA Office (908) 580-9091
Microsoft User Group Outreach Program One Microsoft Way, Redmond, WA 98052 (206) 882-8080							
N/A	N/A/ N/A	Microsoft	N/A	N/A	N/A	Provides information on 60 IBM PC based groups and 30 Macintosh groups	Tonya Dressel or Kira Sorensen (206) 882-8080
Mid-Atlantic Users Group 51 Sleeper Street, Deerfield, MA 02108 (508) 940-2500							
None	125/ None	AGS Management Systems	AGS Management Systems products	Les Johnson	August 1992, Location to be determined	Meetings, news bulletins, on-line reporting system, product demonstrations	Les Johnson (617) 350-4933
Midwest DB2 User Group 676 N. St. Clair Street, Suite 1765, Chicago, IL 60611							
$50	600	Independent	DB2	Howard Fosdick Fosdick Consulting Villa Park, Ill.	March 4 Chicago	Four meetings per year vendor fair, newsletter	Howard Fosdick (312) 644-6610
MISER Users Group Inc. (MUG) 5008 08 Pine Creek Drive, Westerville, OH 43081 (614) 899-6301							
$400	None/ 135	The Newtrend Group	MISER financial software package	Peter Weng, Berkeley Federal Savings and Loan, Millburn, N.J.	May 13-15, Lake Buena Vista, Fla.	One annual meeting, quarterly newsletter	Richard Bannister, (614) 899-6301
Motorola Computer Systems Users Group c/o Dan Russo, Motorola, 10700 North De Anza Boulevard, Cupertino, CA 95014 (408) 255-0900							
$40	N/A/ 60	Motorola Computer Systems	All Motorola products	Harry Roberts, Info Dynamics, Waukegan, Ill.	January 23, San Francisco	Annual conference	Dan Russo (408) 369-4306
MT Users Group Chuo Building No. 22, 2-11-8 Ginnza, Chuo-ku, Tokyo 104, Japan (81) 3 3546-2705							
5,000/ 20,000 yen	6,000/ 120	Ricoh Co.	Ricoh personal computers	Haruo Ushio, Usio Electronic Co. Ltd.	July 25-26, Karathu City	Information exchange, newsletter	Seiichi Yoneyama, (81)-3-3546-2705
MUMPS Users' Group Brazil Rua das Marrecas, 25 Grupo 802, Rio de Janeiro, RJ 20031, Brazil (5521) 240-5020							
N/A	N/A/ N/A	Multiple	MUMPS computer language	Paulo Roberto Baratta	Unscheduled	Conference, seminars, journal textbooks, software	Paulo Roberto Baratta, (5521) 240-5020
MUMPS Users' Group Europe Erasmus University, Department of Medical Informatics, P.O.B. 1738, 3000 DR Rotterdam, The Netherlands							
N/A	N/A/ N/A	Multiple	MUMPS computer language		September 24-29, Nuremberg, Germany	Conference, seminars, journal textbooks, software	N/A
MUMPS Users' Group Japan MUG Building, 39-15 Daikan-Cho, Nagoya 461, Japan (81) 52 936-5660							
N/A	N/A/ N/A	Multiple	MUMPS computer language	Ichiro Wakai, M.D.	Unscheduled	Conference, seminars, journal textbooks, software	Ichiro Wakai, (81) 52 936-5660
MUMPS Users' Group North America 4321 Hartwick Road, Suite 100, College Park, MD 20740 (301) 779-6555							
$60 Indiv / $500 Corp.	N/A/ N/A	Multiple	MUMPS computer language	Richard Davis, Information Systems, Boylston, Mass.	June 15-19, Phoenix	Conference, seminars, journal textbooks, software	Faith Hall, (301) 779-6555

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Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
MUMPS Users' Group United Kingdom P.O. Box 51, High Wycombe, Bucks HP11 2HG, U.K. (44) 494 471 457							
N/A	N/A/ N/A	Multiple	MUMPS computer language	Daniel Sheehan, executive director	April 30, Location to be determined	Conference, seminars, journal, textbooks, software	Daniel Sheehan, (44) 494 471 457
Nantucket Developers Conference 12555 W. Jefferson Boulevard, Los Angeles, CA 90066 (213) 390 7923							
By local group	N/A/	Nantucket	Clipper DBMS	N/A	Spring 1992, Location to be determined	Conference, information on over 79 groups	Natalie McNeal, (213) 390 7923, ext. 372
National Datapoint Users Group (NDUG) 8400 Datapoint Drive, San Antonio, TX 78229 (800) 733 1500 ext. 7376							
None	250/ N/A	Datapoint	All Datapoint products	Sue Farni, City of Mobile, Ala.	N/A	Annual conference	Sue Farni, (205) 434 7830
National Epson Users Group (NEUG) P.O. Box 1076, Lemont, PA 16851 (814) 237 5511							
$25	2,800/ N/A	Multiple	IBM compatibles	Richard Shoemaker	Undecided	Annual conference, newsletter, telephone support, software, product evaluations	Richard Shoemaker, (814) 237 5511
National Prime Users Group (NPUG) P.O. Box 697, Laurel, MD 20725 (301) 490 2056							
$50	1,800/ None	Prime Computer	All Prime systems	Catherine VanOrman, USC Software System, Los Angeles	May 31-June 5, San Francisco	Annual conference, newsletter, BBS, library serviceboard	Judy Cook, (301) 490 2056
Net/Master Management Users Group (NMUG) Two Crown Point Drive, Suite 190, Cincinnati, OH 45241 (513) 772 9333							
None	150/ N/A	Systems Center	Net/Master, Sys/Master, Info/Master	Bob Gotthardt, Pennsylvania Power & Light, Allentown, Pa.	June 2-5, Washington, D.C.	Two annual conferences, quarterly newsletter	Bob Gotthardt, (215) 774 4436
NetWare Users International (NUI) 122 East 1700 South, Provo, UT 84606 (800) 228 4NUI							
None	80,000/ N/A	Novell	NetWare	Hale Pringle	By chapter	Regional conferences, newsletter, technical database	Brian Smith, (800) 228 4NUI
Network Systems Corporation Users (NEXUS) 7600 Boone Avenue North, Brooklyn Park, MN 55428 (612) 424 1680							
None	None/ 320	Network Systems	All NSC products	Len Stans, Scandia National Labs	September 24-27, Location to be determined	Annual conference, newsletter	Shirley Gunderson (612) 424 1680
Network Users Group AT&T Inc. (NUGATT) P.O. Box 3565, Peoria, IL 61612 (309) 677 3450							
$100	130/ 130	AT&T	AT&T LAN data communications	Stephen Patrick, Bradley University, Peoria, Ill.	May 3-7, San Diego	Two annual conferences, newsletter, BBS	Annette Patrick, (309) 677 3450
New Jersey PC User Group P.O. Box 14, Paramus, NJ 07653							
$25	N/A	No affiliation	PC products	N/A	Second Thursday each month	Monthly meetings, newsletter, software, BBS	Ruth Lehmann (201) 261 3136
New York IBM Users Group (NYPC) 40 Wall Street, Suite 2124, New York, NY 10005 (212) 533 NYPC or (212) 686 NYPC							
$35	3,000/ N/A	Multiple	IBM and compatible PCs	David Kleinman, DKI Inc., New York City	N/A	Monthly meetings, education seminars, 50+ SIGs, hotline, magazine, BBS,	David Kleinman, (212) 686 NYPC

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Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
New York Macintosh Users Group (NYMUG) 688 6th Avenue, New York, NY 10010 (212) 691-0496							
$40	3,000/ N/A	Apple Computer	Macintosh	Dan Peters	N/A	Monthly meetings, 23 SIGs, classes, newsletter, BBS	Marria Banks, (212) 691-0496
Norsk Computer Users Society (NOCUS) P.O. Box 44, Bogerud 0621, Oslo 6 Norway (47) 262-8000							
1,200 Kroner	None/ 500	Norsk Data AS	All Norsk Data and Norsk Data related products	Einar Li, Chairmain	N/A	Four annual conferences, newsletter	NOCUS Office, (47)-262-8000
North American Data General Users Group, Inc. (NADGUG) Livingston Building, Suite 250, 3420 Executive Center Drive, Austin, TX 78731 (800) 877-4787							
$60	N/A/ None	Data General	All Data General products	Frank Perry	N/A	Annual conference, monthly magazine, software library, regional groups, SIGs	Greg Goss, (800) 877-4787
North American INGRES Users Association (NAIUA) 2500 Garden Road, Suite 208, Monterey, CA 93940 (408) 649-0644							
None	6,000/ N/A	Ingres/ ASK	Ingres and related software	Rick Angelini, U.S. Army Ballistics Research Lab, Bethesda, Md.	May 17-21, Tarpon Springs, Fla.	Annual conference, newsletter, local user groups	NAIUA office (408) 649-0644
North American NCR Financial Users Group (NANCRFUG) 5008 08 Pine Creek Drive, Westerville, OH 43081 (614) 895-1280							
$150	None/ 200	NCR	NCR hardware and financial software	Michel McKinney, Nashville Bank of South Carolina, Sumter, S.C.	October 18-21, Indianapolis	Annual conference, quarterly journal	James Bannister, (614) 895-1280
NorthEast SAS Users Group (NESUG) 74 Rosalind Street, Rochester, NY 14619 (716) 275-7712							
N/A	N/A/	SAS Institute	SAS products	Gary Katsanis, Strong Memorial Hospital; Maria Wills, SAS Consulting Group	N/A	Annual conference, quarterly newsletter, training	Gary Katsanis, (716) 275-7712; Maria Wills, (301) 881-8640
North Texas PC Users Group (214) 746-4699							
$24		No affiliation	IBM and compatible computers	Jim Hoisington	2nd or 3rd Saturday of each month	Meetings, monthly newsletter, bulletin board	Hotline, (214) 746-4699
OASIS Computer Software Group P.O. Box 359, Norwalk, CT 06856 (203) 845-5167							
$250	N/A/	MUST Software International	Nomad software products	Jim King, Boeing Computer Services, Seattle	May 31-June 4, Orlando, Fla.	Annual conference, quarterly newsletter, code sharing	Diane Parkes, (203) 845-5167
OASIS Users Group 1777 N. Kent Street, Arlington, VA 22209 (703) 841-6000							
None	Usr base/ N/A	American Management Systems	OASIS software	Jim Davis, Bibb County, Macon, Ga.	April 1992, Location to be announced	Annual conference	Dorothy Cotman, (703) 841-6391
opsXchange (the international OPS/MVS user group) 7965 N. High Street, Columbus, OH 43235							
N/A	N/A	Goal Systems International	OPS/MVS	Chuck Cottrell, Blue Cross/ Blue Shield of Virginia	N/A	Education and training on data center automation	Chuck Cottrell, (804) 354-4234
Paradox User Groups 1800 Green Hills Road, Scotts Valley, CA 95066 (408) 439-1065							
N/A	N/A	Borland International	Paradox	By individual group	By individual group	Information on 30 + regional groups	Tami Casey, (408) 439-1065

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Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
PCS Users Group 600 McDonnell Boulevard, Hazelwood, MO 63041 (314) 234-1549							
N/A	N/A/ N/A	American Express Information Services	Comprehensive clinical information systems for order capture and results reporting	Janie Reed, Ottawa Civic Hospital, Ottawa	N/A	N/A	PCS Users Group, (314) 234-1549
Personnel Management User Group V. le Eginardo 29, 20149 Milan, Italy (39) 2 49931							
N/A	70/ N/A	Data Management	Data Management personnel management software packages	Mrs. Fernando DeNapoli, Data Management, Milan	N/A	Two conferences and two technical meetings per year, newsletters	Mrs. DeNapoli, (39) 2 49931
Phoenix Software International 5933 West Century Boulevard, Suite 1200, Los Angeles, CA 90045 (213) 338-0400							
None	Usr base/ N/A	Phoenix Software	All Phoenix products	N/A	N/A	Annual conference	Craig Becker, (213) 338-0400
Pilot Executive Software Systems User Group (PEISUG) 40 Broad Street, Boston, MA 02109 (617) 350-7035							
$25	250/ None	Pilot Software	EIS and DSS software	Susan Eliot, UNUM Insurance Corp., Portland, Maine	To be determined	Annual conference, quarterly newsletter	Susan Eliot, (207) 770-2784
Primavera Users Group 2 Bala Plaza, Bala Cynwyd, PA 19004 (215) 667-8600							
None	Usr base/ N/A	Primavera Systems	All Primavera software	N/A	August 30 September 2 Philadelphia	National conference,regional meetings, newsletter	Headquarters, (215) 667-8600
Project Management Users of Middle America (PUMA) c/o Gary Arnold, Federal Reserve Bank, P.O. Box 442, St. Louis, MO 63166 (314) 444-8633							
$25	50	AGS Management Systems	AGS project management products	Gary Arnold, Federal Reserve Bank, St. Louis	September 21-22, Chicago	Meetings, news bulletin, project management tool demonstrations, information exchange	Gary Arnold (314) 444-8633
Project Oriented Manufacturers Special Interest Group 2604 Highway 20, North Jamestown, ND 58401 (701) 252-6250							
$200	N/A/ 30	Cincom Systems	CONTROL Manufacturing in IBM and DEC environments	Gary Weinberger, Lucas Western, Jamestown, N.D.	Unscheduled	Meets once a quarter	Gary Weinberger, (701) 252-6250
PSDI Users Forum 20 University Road, Cambridge, MA 02138 (617) 661-1444							
$250	1,200/ N/A	PSDI	Project/2, Qwiknet professional	Dan Harrison	August 2-5, Charlotte, N.C.	Annual conference	Kristin Heath, (617) 661-1444
Pyramid Users Group (PUG) 1295 Charleston Road, Mountain View, CA 94043 (415) 335-8954							
None	350/ N/A	Pyramid Technology	All Pyramid products	Elaine Glowacki, Pyramid	May 13-15, Atlanta	Two annual conferences, newsletter, software tape, electronic mail network	Caitlin Swentzel, (415) 335-8954
RAMIS Roundtable c/o Alexis Christopher, FORUM International, 293 Savona Avenue, Goleta, CA 93117 (805) 967-5511 ext. 3570							
None	Usr base/ N/A	Computer Associates International	RAMIS Information System and RAMIS/PC Workstation	Alexis Christopher, Raytheon, Goleta, Calif.	To be decided	Annual conference, product enhancement survey, eight regional groups	Lisa Jones, (908) 874-7448
Relational Users Group (RUG) c/o Tidewater Consultants, 2700 South Quincy Street, Arlington, VA 22206 (703) 671-9500							
$50	125/ N/A	Cincom Systems	SUPRA	Chuck Gross, Tidewater Consultants, Arlington, Va.	N/A	Two annual conferences, newsletter	Chuck Gross, (703) 671-9500

1992 INTERNATIONAL USER GROUP DIRECTORY

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Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
Research Triangle Area INGRES Users Association P.O. Box 30754, Raleigh, NC 27622 (919) 787-8611							
None	214/ None	Ingres/ASK	Ingres products	Jerry Helms, DBasics Inc., Raleigh, N.C.	Spring 1992. Location to be announced	Meetings, newsletter, product training	Janet Foushee, (919) 787-8611
Ross Systems International User Group 555 Twin Dolphin Drive, Redwood City, CA 94065 (415) 593-2500 ext. 860							
None	None/ N/A	Ross Systems	Financial management, accounting, human resources, distribution and manufacturing products, 4GL and business productivity software tools for the DEC market	Jan Keating, Armco, Inc., Middletown, Ohio	February 11-14, San Francisco	Annual national meeting, local meetings, executive user committee	Paula Shea or Catherine Cohen, (415) 593-2500 ext. 860
San Francisco Personal Computer Users Group 3145 Geary Blvd., #155, San Francisco, CA 94118 (415) 221-9156							
$35	300/ 300	No affiliation	Software, equipment, supplies, accessories, etc. of use to PC users	Kendall Callas, MicroCounsel, San Francisco	3rd Monday of each month	Magazine, classes, hotline, software, product discounts, BBS, meetings	Kendall Callas, (415) 821-1310
SAS User Group International (SUGI) SAS Campus Drive, Cary, NC 27513 (919) 677-8000							
None	N/A/	SAS Institute	All SAS products	E. Jeffrey Hutchinson, Intermec Corp., Everett, Wash.	April 12-15, Honolulu	Annual conference, quarterly magazine	Andrea Littleton, (919) 677-8000
SEA User Group 2001 Marcus Avenue, Lake Success, NY 11042 (516) 328-7000							
N/A	New grp.	Software Engineering of America	Software Engineering of America products	N/A	4th quarter 1992	N/A	Tom Mulvey, (516) 328-7000
Sequent Users Resource Forum (SURF) 4100 East Mississippi Avenue, Suite 1717, Denver, CO 80222 (303) 758-9334							
N/A	Usr base/ N/A	Sequent Computer Systems	All Sequent products	Bob Foertsch, University of Illinois, Urbana, Ill.	Late September/ early October. Location to be determined	Annual conference	George Stadnik, (303) 758-9334
SHARE 401 N. Michigan Avenue, Chicago, IL 60611 (312) 644-6610							
$250 (one-time fee)	None/ 2,600	IBM	IBM mainframe systems AS/400	Sandy Moy, University of Washington, Seattle	March 1-6, Anaheim, Calif.	Four annual conferences, technical reports, newsletter, refererence manuals	Lynn Patton, (312) 644-6610
SHARE European Association (SEAS) 18, rue des Moraines, CH-1227 Carouge, Switzerland (41) 22 300 3775							
1,200 Swiss francs	N/A/ 521	IBM	Large scale and midrange IBM machines, including AS/400 and RS/6000	Barry Landy, University of Cambridge, Cambridge, England	March 30-April 3, Cannes, France	Two annual int'l conferences, newsletter	Marc Cattaneo, (41) 22 300 3775
Silicon Valley Computer Society (SVCS) 2464 El Camino Real, Suite 190, Santa Clara, CA 95051 (408) 286-1271							
$30	700/ N/A	Multiple	PC compatibles and Macintosh	Bert Stephens, Stephens Engineering, Sunnyvale, Calif.	Not available	Meetings, newsletter, training program, BBS, discounts on trade shows, 15 SIGs	Bert Stephens, (408) 286-1271
Softool Users Group P.O. Box 729, Goleta, CA 93116 (805) 683-5777							
None	Usr base/ N/A	Softool	All Softool products	Dorothy Huffman, Jet Propulsion Laboratory, Pasadena, Calif.	Spring 1992. Location to be announced	Annual conference	Sharon Gephart, (805) 683-5777

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Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
Software 2000/UserNet 2000 Annual Conference One Park Center, Drawer 6000, Hyannis, MA 02601 (508) 778 2000							
$795	$300	Software 2000	Financial Management 2000, Human Resources 2000, Distribution Management 2000, Environmental Management 2000	Ann Marie Pearman, Mercy Healthcare, Sacramento, Calif.	May 17-21, Orlando, Fla.	Training, networking, tips and techniques product insight	Susan Vibberts, (508) 778 2000
SOTAS Users Group 262 North Delaware Avenue, North Massapequa, NY 11758 (212) 213 7674							
None	N/A/ 1,200	SOTAS International	SOTAS software packages for Wang VS and HP equipment	John Parisi, Sotas, North Massapequa, N.Y.	N/A	Annual conference, quarterly newsletter	John Parisi, (212) 213 7674
StorageTek Forum '92 2270 South 88th Street, MS4355, Louisville, CO 80028 (303) 673 4732							
None	N/A/ N/A	Storage Technology	Large systems storage products	N/A	N/A	Annual conference	Renae Clark, (303) 673 4732
STRATEGY P.O. Box 685, Boston, MA 02102							
$50 Indiv. $200 Corp.	150/ 120	Stratus Computer	Stratus architecture	John Fisher, GTE Government Systems, Needham, Mass.	N/A	Annual conference, newsletter, local meetings, BBS	N/A
STROBE International User Group c/o Programart Corp., 124 Mount Auburn Street, Cambridge, MA 02138 (617) 661 3020							
None	N/A	Programart	The Strobe performance measurement system	N/A	Fall 1992	Conference	Helaine Wolpe, (617) 661 3020
Sun User Group Inc. (SUG) 1330 Beacon Street, Suite 315, Brookline, MA 02146 (617) 232 0514							
$40	7,000/ N/A	Sun Microsystems	All Sun products	Peter Sallus, executive director	N/A	Annual conference, newsletter	(617) 232 0514
Sup'Eur Engineering & Theory Center Building, Cornell University, Ithaca, NY 14853							
None	N/A N/A	No affiliation	Large-scale and numerically intensive computing on IBM systems	Prof. Bo Kagstrom, University of Umea, Sweden	September 13-16, Umea, Sweden	Annual conference; list servers SUPEUR and NIC INFO	Robert Feldman, (607) 254 8888
Systems Center Users Conference 1800 Alexander Bell Drive, Reston, VA 22091 (703) 264 8000							
None	Usr base/ N/A	Systems Center	All Systems Center products	N/A	N/A	Annual conference	Richard Smith, (703) 264 8000
Systems Management User Conference for Candle Customers 1999 Bundy Drive, Los Angeles, CA 90025 (310) 207 1400							
None	N/A N/A	Candle	Systems management software for MVS, CICS, DB2, VM, IMS VSE and VTAM	Aubrey Chernick Chairman & CEO	December 1992, Location to be announced	Conference agenda and invitation	Karen Schaugg, (310) 207 1400
Tolas User Group GSI Transcomm, 1380 Old Freeport Road, Pittsburgh, PA 15238 (412) 963 6770							
None	Usr base/ N/A	GSI Transcom	Tolas	None	March 1992, Location to be announced	Annual conference	Rhonda Rothbert, (412) 963 6770
Total Recovery Planning System User Group 300 S. Wacker Drive, Chicago, IL 60606 (800) 448 8777							
None	N/A	Chi/Cor Information Management	TRPS software	Sue Volpi Total Petroleum	September 14-16, Chicago	Annual Conference	Mike Gomoll, (800) 448 8777 or (312) 322 0150
Trax User Group (TUG) 5840 Uplander Way, Culver City, CA 90230 (213) 649 5800							
None	Usr base/ N/A	Trax Softworks	All Trax products	Chris Sligar, Bonneville Power Administration, Portland, Ore.	March 1992, Location to be determined	Annual conference, quarterly newsletter, user directory	Anne Sifferman, (213) 649 5800

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Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
TRIDEX (Tri-State DB2 Technology Exchange) c/o Nanine C. Gallo, 4 Whitney Avenue, Pompton Lakes, NJ 07442 (201) 839-2922							
None	N/A	Multiple	DB2, additional relational technologies and associated tools	Nate Murphy Nate Murphy & Assoc., Mount Laurel, N.J.	February 6 New York City	Quarterly newsletter, quarterly meetings	Nanine C. Gallo (201) 839-3133
UFO-COBOL/XE International User Group c/o Computer Associates International Inc., P.O. 2392, Princeton, NJ 08543 (609) 799-6300 Ext. 6154							
None	Usr base/ N/A	Computer Associates International	UFO Productivity System and COBOL/XE	Dan Smith, Rival Manufacturing, Kansas City, Mo.	April 1992 Orlando, Fla.	Annual conference, product enhancement survey	Lisa Jones, (609) 799-6300, Ext. 6154
Ungermann-Bass Users Group 3900 Freedom Circle, Santa Clara, CA 95052 (408) 562-7741 or (408) 987-6789							
None	Usr base/ N/A	Ungermann-Bass	All Ungerman-Bass products	Greg Parcell, Chicago Board of Trade	May 31-June 4, Reston, Va.	Two annual conferences, newsletter	Deanne Deaville, (408) 562-7741
UniForum Association 2901 Tasman Drive, Suite 201, Santa Clara, CA 95054 (408) 986-8840							
$50-100	6,881/ None	Multiple	All UNIX systems, open systems	John Ozsbath, McDonald's Corp., Oak Brook, Ill.	January 21-23, San Francisco	Annual conference, UNIX products directory, updates on POSIX standards	UniForum office, (408) 986-8840, ext. 10
Uninterruptible Uptime Users Group (UUUG) P.O. Box 3743, Church Street Station, New York, NY 10008							
N/A/ $250	N/A/ $250	Multiple	Critical Support Systems	Alan Freedman, Bankers Trust, New York	May 20-22, Newark, NJ	Newsletter, bulletin board, spring & fall conferences	Ken Brill, (505) 982-8300
Unisys Users Association (UUA) Bakers Court, Bakers Road, Uxbridge, UB8 1RJ England (44) 895-237-137							
30-120 pounds	N/A/ 1,700	Unisys	Complete Unisys product line	A. Mendes dos Santos, Institute de Formatica, Portugal	March 30-April 3, Amsterdam	Two annual conferences, newsletter, special reports	Lorna Wheatley, (44) 895-237-137, ext. 5418
Unitech Systems Conference 3030 Warrenville Road, Lisle, IL 60532 (708) 505-1800							
None	Usr base/ N/A	Unitech Systems	Unitech products	N/A	May 1992, Chicago	Annual conference	Joel Shufflin, (708) 505-1800
United States Society of Wang Users 2138 South 61st Court, Chicago, IL 60650 (708) 652-3888							
None	N/A/ 45	N/A	Wang Products	Matt Gillman	May 1992, Chicago	Information on regional groups	Wes Strickland, (708) 652-3888
The Unity Users Group 51 Valley Stream Parkway, Malvern, PA 19355 (215) 296-6300							
N/A	New grp	/Shared Medical Systems	FMS, ACTION, EXACT software	Dan Walsh, Mercy Catholic Medical Center, Philadelphia	April 5, San Francisco	One national meeting per year	Sue West or Bobbie Hipple, (215) 296-6300
University UNIX System V Users Group (U3G) AT&T, 225 Littleton Road, Room 51A-2B03, Morris Plains, NJ 07950 (201) 631-1857							
None	400/ 200	AT&T	UNIX System V	None	N/A	Annual conference, newsletter	Annette Patrick, (309) 677-3450
USE Inc. Box 461, Bladensburg, MD 20710 (301) 699-9336							
$250 indiv. $750 vendor	None/ 625	Unisys Corp.	Unisys 1100/2200, 5000/6000/7000	Thomas R. Murphy, Naval Computer and Telecommunications Station, Newport, R.I.	April 27-May 1, San Francisco	Two annual conferences newsletter, program and video libraries, BBS	Carolyn Abell, (301) 699-9336

1992 INTERNATIONAL USER GROUP DIRECTORY

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Annual Fee	Individual/Corporate Membership	Vendor	Systems/Products	Top Officer	Next Meeting	Services Provided	Contact
USENIX Association 2560 9th Street, Suite 215, Berkeley, CA 94710 (415) 528-8649							
$50/ $300	4,700/ N/A	Multiple	UNIX and the C programming language	Kirk Marshall McKusick, University of California at Berkeley	January 20-24, San Francisco	Two annual conferences, workshops, newsletter	Conference office (714) 588-8649
USERS.PRL (LEVEL5 Expert System/PRL Users Group) P.O. Box 361262, Melbourne, FL 32936 (407) 242-4922							
$10 (one-time fee)	845/ N/A	Information Builders	Level5	Gary Ribar, Peat Marwick, Montvale, N.J.	April 26-May 1, Dallas; November 1992, Florida	One national conference, regional meetings, user directory	Lynn Girad, (407) 242-4922
Utility User Group (PSDI User Forum) 20 University Road, Cambridge, MA 02138 (617) 661-1444							
250	200/ N/A	PSDI	PSDI products	Tony Catanese	August 2-5, Charlotte, N.C.	Annual conference	Kristin Heath, (617) 661-1444
VIASOFT International User Conference 3033 N. 44th Street, Phoenix, AZ 85018 (602) 952-0050							
$495	N/A	VIASOFT	Via Insight, Via SmartTest, VIA/SmartEdit, VIA SmartDoc, VIA/Renaissance	N/A	May 17-20, Scottsdale, Ariz.	Conference for the exchange of information	Maria Hoza (602) 952-0050, or (800) 525-7775
VIP '92 Two Allegheny Center, Pittsburgh, PA 15212 (412) 442-1173 or (800) 323-2600 ext. 1173							
None	Usr base/Legent N/A		Legent Corp. products	None	May 17-21, Orlando, Fla.	Annual conference, newsletter, regional meetings	Stephanie Schmader, (412) 442-1173
Westchester PC Users Group (WPCUG) P.O. Box 349, White Plains, NY 10602 (914) 923-1337							
$25	N/A/ N/A	Multiple	MS-DOS, UNIX, OS/2	Michael Friedman	Monthly meetings	Newsletter, helpline, SIGs, BBS, discounts	WPCUG office, (914) 923-1337
Xplor International (The Association for Electronic Document Printing Professionals) 2550 Via Tejon, Suite 3L, P.O. Box 1501, Palos Verdes Estates, CA 90274 (213) 373-3633 or (800) 669-7567							
$400	N/A/ 1,150	Multiple	Electronic document creation and printing products	Robert L. Stocks, Rohm & Haas Corp., Spring House, Pa.	June 1-5, Eindhoven, The Netherlands	Conferences, BBS, hotline, SIGs, professional publications, regional meetings	Jim Porter, (213) 373-3633
The X Windows Users Group (XUG) 2900 John Street, Unit 4, Markham, Ontario L3R 5G3 (416) 470-1203							
$40	N/A	Any X Window vendor	X Windows systems/products	Jan Adamek	N/A	Luncheon meetings, programmers' workshops, information on X Windows	Ken Ristevski (416) 470-1203
Zenith Users Group P.O. Box 217, Benton Harbor, MI 49023 (616) 982-3463							
$22.95	11,000/ None	Zenith Data Systems	Zenith computers	Jim Buszkiewicz	None	Magazine, BBS, equipment discounts	Lisa Cobb, (616) 982-3463

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